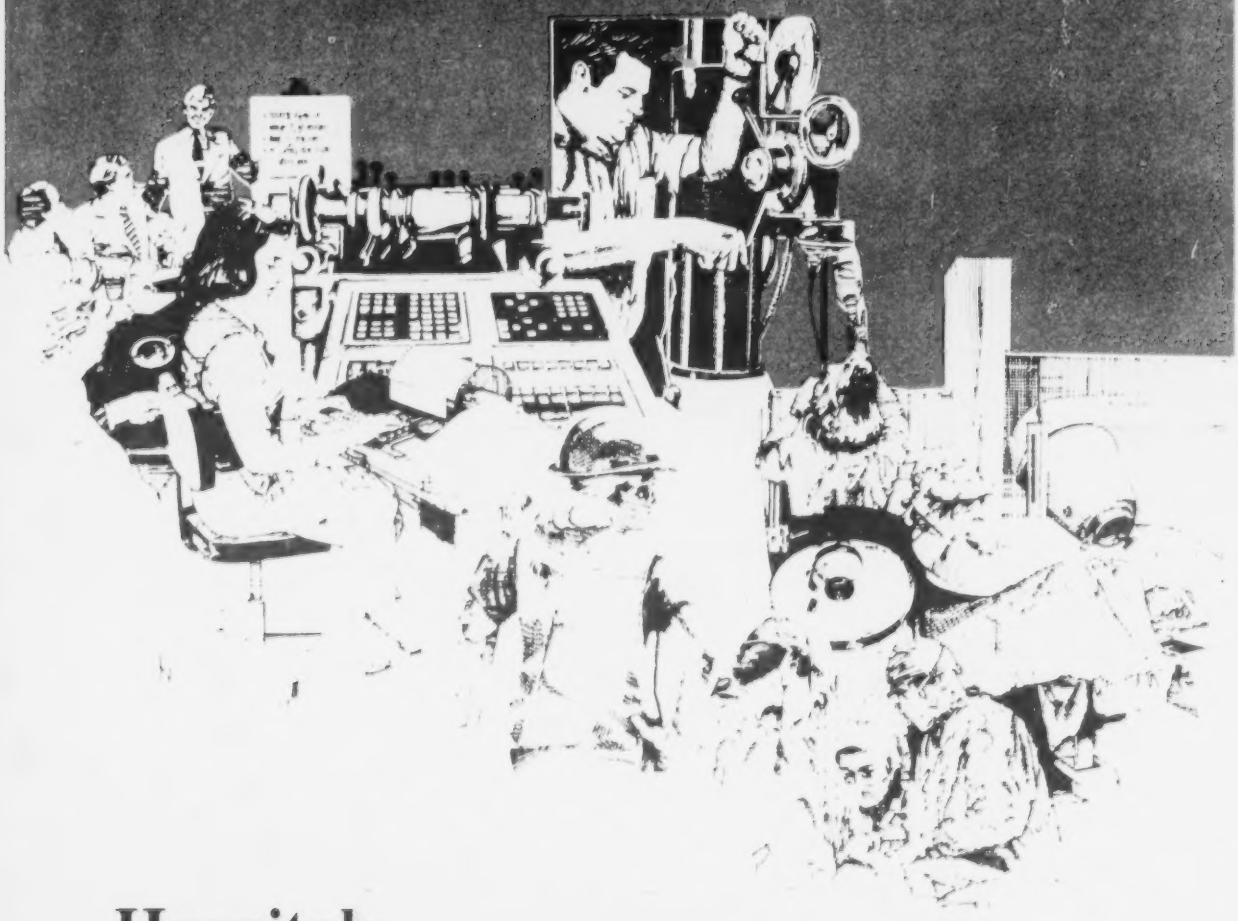
1991

Arizona Occupational Profile

A Labor Market Information Publication
of the Department of Economic Security



Hospitals

UTAH
COCONINO
MOHAVE
KINGMAN
FLAGSTAFF
NAVAJO
APACHE
HOLBROOK
ST. JOHNS
CALIFORNIA
NEW MEXICO
PRESCOTT
YAVAPAI
PARKER
LA PAZ
GILA
PHOENIX
GLOBE
CLIFTON
GREENLEE
MARICOPA
FLORENCE
SAFFORD
YUMA
PINAL
GRAHAM
YUMA
TUCSON
PIMA
COCHISE
MEXICO
SANTA CRUZ
BISBEE
NOGALES
ARIZONA

ARIZONA OCCUPATIONAL PROFILE

The value of current and accurate occupational employment information has long been recognized by job seekers, public and private administrators, and those involved in training, recruiting, and counseling. A major source of this information in Arizona is the Occupational Employment Statistics (OES) Program -- a cooperative effort between Arizona and the U.S. Department of Labor, Bureau of Labor Statistics.

This *Arizona Occupational Profile* is one in a series of publications produced from information developed by the OES survey. These publications represent one of several occupational employment information delivery systems incorporating OES survey data. The survey is used to collect employment data, by county, for nearly 800 occupations in Arizona. From these surveys, which require the cooperation of the Arizona business community, current employment in the various occupations is determined, and from this an occupational outlook is formulated. The occupational profiles contain the survey findings and examine, individually, the industries of Arizona.

Profiled industries include:

Trade
Mining
Services
Government
Construction
Manufacturing
Finance, Insurance, and Real Estate
Transportation, Communications, and Public Utilities

For further information, or to comment on any aspect of this program, please write to the address on the back cover.

INDUSTRY INFORMATION

Industry Definition

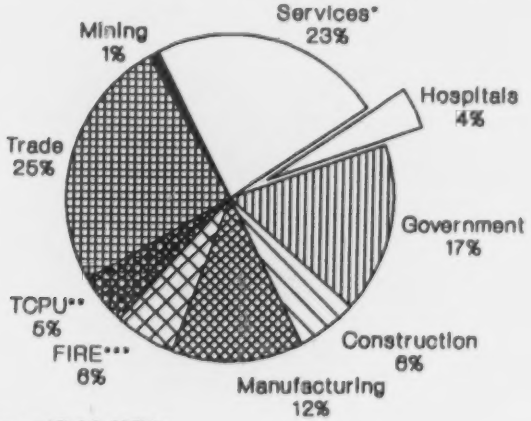
The hospital services industry includes establishments primarily engaged in providing diagnostic medical services, extensive medical treatment including surgery, continuous nursing care, and academic and research activities. These establishments have facilities, staff, and equipment to provide comprehensive health care to patients requiring either acute or rehabilitative care. This definition of the hospital industry corresponds to the establishments found under industry-group code 806 of the *Standard Industrial Classification (SIC) Manual*[1] and does not include offices of health care practitioners, nursing and personal care facilities, medical and dental laboratories, and outpatient care facilities.

The occupational employment information presented in this publication is based on data provided by the hospitals operating in Arizona in April 1989. These hospitals may be categorized as general, psychiatric, or specialty hospitals, (e.g., geriatric, maternity, orthopedic, and children's hospitals). Included within the scope of this publication are private hospitals; hospitals administered by federal, state, and local governments; and those operated by firms identified with other industries, (e.g., mining).

Industry Description

Hospitals are the largest employers of health workers in the state, employing more than half of the 109,000 workers in Arizona's health care delivery system. Representing 4.2 percent of all workers in Arizona, hospitals employed about 61,000 in 1989.

ARIZONA NON-AGRICULTURAL EMPLOYMENT - 1989



* Excludes Hospitals
** Transportation, Communications, and Public Utilities
*** Finance, Insurance, and Real Estate

[1] Office of Management and Budget, Standard Industrial Classification Manual, 1987 Edition, p. 387.

ARIZONA HOSPITALS AT A GLANCE

April 1989

County	Facilities	Beds	Category	Employment	Ownership
Apache	3	117	General	1,224	Private (2) Federal-PHS* (1)
Cochise	7	333	General (6) Psychiatric (1)	902	Private (6) Federal-Army (1)
Coconino	5	254	General	1,164	Private (4) Federal-PHS (1)
Gila	4	197	General	593	Private (2) Federal-PHS (1) State or Local Govt. (1)
Graham	1	42	General	134	Private
La Paz	2	59	General	124	Private (1) Federal-PHS (1)
Maricopa	44	8,682	General (32) Psychiatric (9) Specialty (3)	39,260	Private (37) Federal (4) - PHS (1), USAF (2), VA (1) State or Local Govt. (3)
Mohave	3	234	General	783	Private
Navajo	5	197	General	610	Private (3) Federal-PHS (2)
Pima	16	3,098	General (13) Psychiatric (3)	13,330	Private (12) Federal (3) - PHS (1), USAF (1), VA (1) State or Local Govt. (1)
Pinal	3	211	General	843	Private (1) Federal-PHS (1) State or Local Govt. (1)
Santa Cruz	1	31	General	220	Private
Yavapai	3	445	General	1,330	Private (2) Federal-VA (1)
Yuma	2	300	General	964	Private (1) Federal-PHS (1)
STATEWIDE TOTALS	99	14,200	General (83) Psychiatric (13) Specialty (3)	61,481	Private (76) Federal (17) State or Local Govt. (6)

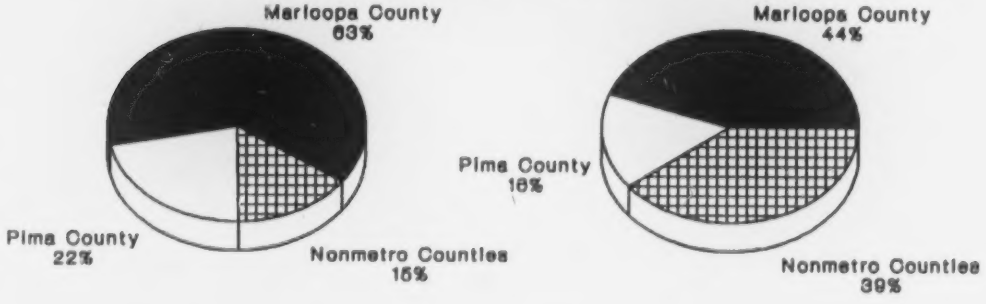
* Public Health Service

Source: Office of Health Economics and Facilities Review of the Arizona Department of Health Services

Although most hospitals in the state are privately owned (76), the majority are operated on a nonprofit basis (58). State and local governments administer only seven of the 99 hospitals operating in Arizona. Federal hospitals, on the other hand, include four military facilities, 10 Public Health Service (PHS) or Indian Hospitals, and three Veterans Administration facilities.

Hospital employment is concentrated in Arizona's two metropolitan areas, and its geographic distribution is similar to that of total employment. Non-metropolitan counties have nearly 40 percent of Arizona's hospitals, but they employ only 15 percent of the state's hospital workers and are equipped with 17 percent of total hospital beds. Offering a wider range and more specialized services, metropolitan hospitals averaged about 900 employees each in 1989, compared to about 200 in their rural counterparts.

GEOGRAPHIC DISTRIBUTION OF EMPLOYMENT AND FACILITIES



Hospital Employment **Hospital Facilities**

Although in a period of rapid change and redefinition of roles, hospitals may still be regarded as belonging in one of the three previously mentioned categories: general, psychiatric, or specialty. General hospitals employ the majority of hospital workers and represent 81 percent of all hospitals in the state. These hospitals are primarily engaged in medical and surgical treatment as well as inpatient care.

Psychiatric hospitals are primarily involved in providing diagnostic medical services and inpatient treatment for the mentally ill. Because patients are often hospitalized for several weeks or more, these and other specialty hospitals are sometimes referred to as "long-term" care facilities.

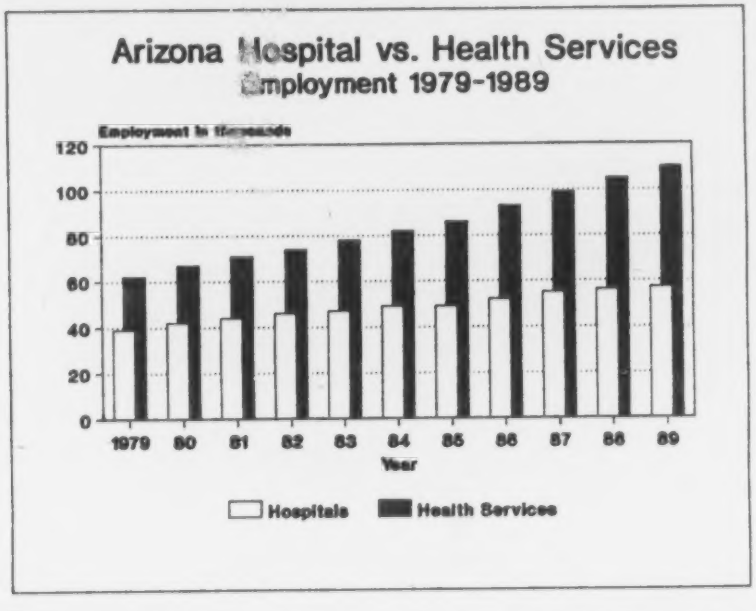
Specialty hospitals, except psychiatric, provide diagnostic and treatment services for specific conditions and diseases such as pregnancy, pediatrics, geriatric conditions, tuberculosis, and orthopedics.

During the last five years, the number of psychiatric hospitals in Arizona has decreased while the number of specialty hospitals has increased. This shift can be attributed to a growing sector of specialty hospitals known as rehabilitation hospitals, many of which are treating drug addiction and alcoholism.

Industry Trends

Nationally, hospital employment expanded about 17 percent between 1984 and 1989 - slightly above the average of 15 percent for all industries. During this same time frame, employment in all health services industries registered a 25 percent increase.

Outpacing the average for all industries during the first half of the decade, hospital employment expansion was particularly strong in Maricopa County where it increased by one-third during the period. Employment growth in Arizona's hospitals slowed somewhat between 1984 and 1989, although Pima County maintained strong expansion that contributed to a robust 51 percent employment increase in the health services industry.



Outpatient care facilities (such as offices of physicians), home health agencies, and nursing care facilities are sectors of the health services industry that are growing faster than hospitals. One of the reasons often cited for these changes is the implementation of the Medicare Prospective Payment System in 1983. Specific reimbursement rates were set for each of 467 diagnosis-related groups (DRGs), and hospitals are reimbursed according to that schedule. The DRG-based system allows hospitals to retain any savings or to absorb any expenses in excess of the amount allocated. Under the previous system, Medicare reimbursed hospitals for any amount billed. Since these changes occurred, there has been a steady decline in the average length of stay in hospitals. In fact, though the total number of U.S. hospitals and beds has changed very little in nearly a decade, the proportion of hospital employment to health services employment has been declining in the United States as well as in Arizona.

The reduced demand for inpatient services has prompted hospitals to broaden their range of programs and outpatient services, particularly those unrestricted by DRG schedules. Services such as hospice care, rehabilitation, alcohol and

other drug-dependency treatments, birthing centers, cancer screening, and even sports-medicine programs are increasingly becoming part of many hospitals' regular services. Increasing competition in these areas has prompted unprecedented marketing and advertising efforts.

Shorter hospital stays and the substitution of outpatient for inpatient services have not only suppressed hospital employment growth, but have indirectly fostered the rapid growth of other health industries, such as health maintenance organizations (HMOs), nursing care facilities, and offices of health practitioners. On the other hand, employment expansion in the hospital industry can be attributed to the increase in the number of tests, procedures, and surgical interventions for previously untreatable or undiagnosed conditions, and to the diversification of services. To supplement the demand for personnel in these areas, hospitals are contracting services, hiring part-time workers, and maintaining a number of on-call staff.

In general, events reshaping hospitals nationally also impact the industry in Arizona. Population growth, in particular, has been a driving force behind the expansion of many industries in the state and especially the health care industry. While the total state population is projected to increase about 29 percent between 1989 and 2000, the population of those 75 years or older will grow 46 percent. This group is hospitalized more frequently and experiences longer stays. Those 85 and older, in fact, use twice as many hospital days per capita than do persons age 65 to 74.

Employment in government hospitals historically has accounted for about one-third of total hospital employment in Arizona. By 1989, however, that share had decreased to less than one-fourth. Budgetary constraints and the trend toward privatization have contributed to the decline of government hospital employment.

The National forecasted growth rate for hospital employment is 2.1 percent per year between 1988 and 2000. Employment in Arizona's hospitals should continue to increase though not at rates previously experienced. Projected increases are estimated to be about 3.4 percent annually, about the same as for total wage and salary employment in Arizona.

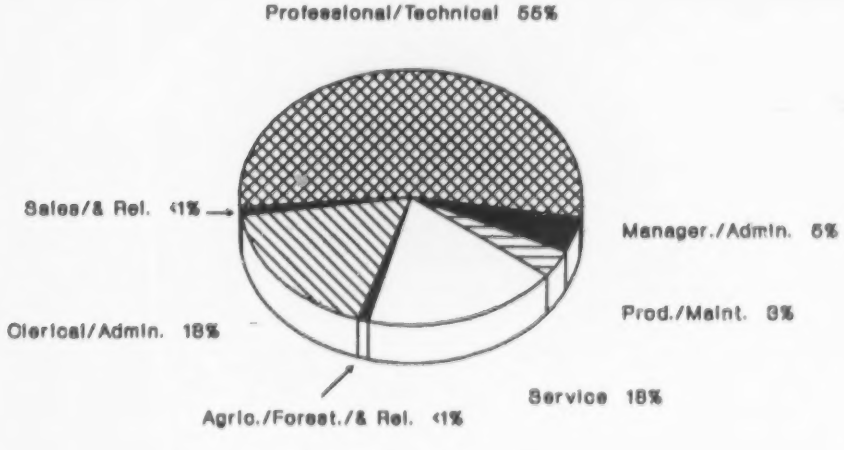
The hospital industry is expected to continue its evolution, particularly in acute, geriatric, and long-term care, in response to the aging of the population. Furthermore, the entire health care delivery system will continue to evolve in response to demographic, social, technological, and economic changes. For example, medical care spending that continues to accelerate, outpacing the overall inflation level in our nation, naturally will have implications for future employment in the hospital industry.

OCCUPATIONAL INFORMATION

Hospital employees are engaged in a broad range of medical and administrative activities requiring a variety of occupational skills. In addition to the medical personnel that traditionally are associated with this industry, hospitals also employ accountants and auditors, engineers, professional librarians, and other seemingly unrelated occupations. In some respects, the hospital resembles and incorporates activities usually found in commercial enterprises. In addition to the business, administrative, and service departments commonly found in commercial firms, the hospital often includes a power plant, dietary service, and maintenance staff. Above all, however, the hospital brings together various types of personnel and facilities for specific lifesaving efforts and related public health, educational, and research activities.

Although the hospital includes personnel with a variety of occupational skills, the bulk of hospital employment is in health-related occupations which are of a professional or technical nature. Led by nearly 17,000 registered nurses (RNs), the "professional, paraprofessional, and technical workers" category accounts for more than 55 percent of the state's hospital employment. Along with RNs, there are a variety of other numerically prominent health practitioners including 2,467 licensed practical nurses (LPNs), more than 1,000 medical and clinical laboratory technologists, and about 800 physicians and surgeons employed by hospitals.

PERCENT DISTRIBUTION OF HOSPITAL OCCUPATIONS
1989



In Arizona, as in the rest of the nation, the hospital industry has undergone substantial changes which have impacted not only employment growth, but occupational composition as well. Between 1980 and 1989, the "professional, paraprofessional, and technical workers" occupational category gained share of Arizona's hospital employment. This increase is partially attributable to the rising proportion of RNs and medical and clinical laboratory technologists and technicians.

OCCUPATIONS WITH THE LARGEST EMPLOYMENT IN ARIZONA HOSPITALS

	Employment 1989	Job Openings 1989-1994*
Registered Nurses	16,926	7,310
Nursing Aides, Orderlies, & Attendants	3,236	1,395
General Office Clerks	2,977	1,245
Licensed Practical Nurses	2,467	1,185
Maids and Housekeeping Cleaners	1,784	825
Medicine and Health Services Managers	1,326	545
All Other Health Paraprofessionals & Technical	1,326	615
Medical & Clinical Laboratory Technologists	1,090	230
Social Workers, Medical and Psychiatric	1,002	350
Food Preparation Workers	950	300
Medical and Clinical Laboratory Technicians	938	205
Medical Secretaries	924	370
Interviewing Clerks, Exc. Personnel & Welfare	885	405
Psychiatric Aides	872	395
Respiratory Therapists	816	220
Physicians and Surgeons	808	350
Typists	796	160
All Other Professional, Paraprof., & Technical	735	245
Pharmacists	639	335
Radiologic Technologists	585	245
All Other Health Service Workers	576	315
Secretaries (Excluding Medical)	565	190
Clerical & Administrative Support Supervisors	531	190
All Other Clerical & Administrative Support Workers	529	185
Stock Clerks-Stockroom, Warehouse, or Storeyard	527	165
Radiologic Technicians	511	210
Surgical Technicians	490	215
Billing, Cost, and Rate Clerks	477	105
Cooks, Institution or Cafeteria	472	140
Pharmacy Assistants	444	165
Food Servers, (Other than restaurant)	432	115
Medical Records Technicians and Technologists	420	175
Physical Therapists	407	155
All Other Management Support Workers	397	165
Maintenance Repairers, General Utility	385	165
Bookkeeping, Accounting, and Auditing Clerks	382	145
Janitors & Cleaners, Exc. Maids & Housekeeping	365	190
Switchboard Operators	359	130
All Other Managers and Administrators	338	140
Guards and Watch Guards	328	185
Home Health Aides	320	100
Adjustment Clerks	307	100

* Excludes job opportunities resulting from turnover

More than 8 percent of all new jobs created in Arizona between 1989 and 1994 will be in the health care delivery system. Arizona's hospital industry will provide jobseekers an estimated 14.5 thousand new jobs as a result of industry growth. An additional 9,000 openings will transpire as workers leave the labor force (separations) and many more will be created as employees leave one job to take another (turnover).

Few job seekers will find a greater number of opportunities than those aspiring to be registered nurses. Hospitals in Arizona will need approximately 7,000 additional RNs by 1994. The strong demand for RNs is, in part, a function of their training, which permits them to work effectively in a variety of roles and employment settings. At the same time, specialization in clinical medicine has led to parallel specialization in the nursing field in such areas as intensive care, coronary care, and geriatric medicine. Also strengthening the demand for nurses is the growth of HMOs and home health care, the aging population, the AIDS epidemic, and the increase of technologically complex equipment and treatments.

According to 1988 estimates by the U.S. Department of Health and Human Services, there were 117,000 vacant nursing positions in hospitals nationwide. One in five Arizona hospitals reports a severe shortage of staff RNs, according to a survey by the Arizona Hospital Association, and 41 percent report a moderate shortage. Smaller hospitals in rural Arizona experience the worst shortages, especially of intensive-care nurses.

Some of the commonly accepted supply-side reasons for the nursing shortage are: difficult working conditions such as irregular hours and understaffing; salaries that plateau after six to eight years and limited benefits; expanding career choices for women; and the inability to attract more men into the profession (97 percent of those in nursing occupations are female). One of the offshoots of the shortage is the emergence of nursing registries-- temporary-help agencies specializing in nurse placements.

Nursing aides, orderlies, and attendants represent the second largest occupational group in Arizona hospitals and are expected to number nearly 4,000 by 1994. Growth rates in these occupations should be higher in nursing home facilities than in hospitals as this occupation experienced the largest employment decline of any hospital occupation, on a national basis, between 1983 and 1986. These occupations have high separation and turnover rates thus replacement needs still will be a source of job openings for workers.

Licensed practical nurses (LPNs) are employed at lower proportional levels today than in 1980. That year LPNs represented 5.9 percent of Arizona's hospital workers but by 1989 their share had decreased to 4.0 percent. Cost-containment efforts precipitated the change from longer hospital stays to less costly outpatient treatment, and many LPN jobs shifted to personal-care facilities and private-duty nursing.

Demand for physicians is heightened by a growing and aging population, widespread access to medical care, and increases in research and technology. Nevertheless, the supply of physicians will probably exceed demand through the 1990s, particularly in large metropolitan areas. Unlike nursing occupations, the need to replace physicians is low because most physicians remain in the profession until they retire.

By 1988 only about one-fifth of physicians in the U.S. were employed in hospitals; about two out of three were in office-based practice; and most of the remainder practiced in HMOs, urgent care centers, public health clinics, and the federal government. In Arizona, physicians' and surgeons' percent-of-total hospital employment decreased from 3 percent in 1983 to 1 percent in 1989.

Employment of medical technologists and technicians in hospitals is expected to grow more slowly than in the past. Restructuring of the health-services industry has led to a shift in testing from hospitals to offices of physicians and commercial labs. In settings such as these, employment of laboratory personnel is expected to rise more rapidly. Approximately 2,000 medical technicians and technologists were employed in Arizona hospitals in 1989, about 3.3 percent of the industry's total employment.

The managerial and administrative group has increased its share of employment somewhat in the past few years. Emphasis on cost containment has intensified the demand for managers who plan and oversee systems for monitoring and controlling resource use. Also in recent years, hospitals have been actively marketing their services and, although still relatively small in number, marketing, advertising, and public relations managers in the state's hospitals increased 60 percent between 1986 and 1989. Predictably, medicine and health-services managers is the largest managerial group with 1,320 hospital jobs in 1989.

According to the U.S. Department of Labor, Bureau of Labor Statistics, of the Federal government, seven out of 10 of the fastest growing occupations, in the country, between 1988 and 2000, will be health-related. In terms of growth rates, medical assistants, home-health aides, radiologic technologists and technicians, medical-records technicians, medical secretaries, physical therapists, and surgical technologists rank among the 10 fastest growing occupations. Ranked by largest numerical growth, registered nurses and nursing aides, orderlies, and attendants are two of the top 10 occupations in the nation.

OCCUPATIONAL DATA TABLES

The following tables provide employment estimates and projected employment and job openings for the counties and the state. Graham and Greenlee counties have been combined due to their close proximity, similar economies, and size.

When using the data, please note the following:

1) Projected data was developed before the United States committed itself, militarily, in Saudi Arabia. Political and economic uncertainties in the Middle East precluded the development of employment forecasts with a high degree of confidence.

2) The data reflect full- and part-time wage and salary employment only, and do not include self-employed or unpaid family workers.

3) Total job openings represent the number of openings due to growth of the industry and separations from the labor force. They do not account for labor turnover, i.e., openings created when a worker changes jobs, leaving the job to be filled by someone else. These openings are generally the largest source of job openings.

4) To eliminate the possible disclosure of confidential employer information, occupations have been added to the appropriate "All Other" or residual category if: less than three firms reported a single occupation; one firm reported more than 50 percent of the occupational estimate; or two firms combined reported more than 75 percent of the occupational estimate. In certain cases, releases have been obtained from large employers to waive the confidentiality criteria.

5) The projection technique does not possess the degree of accuracy that may be implied by small employment and demand figures.

6) Data for occupations with employment of less than five are included in the appropriate "All Other" categories. These occupations are not listed, however, in the summary of "All Other" categories which follows each table.

Please refer to the METHODOLOGY section at the back of this publication for further technical information.

ESTIMATED EMPLOYMENT AND JOB OPENINGS IN HOSPITALS
-STATEWIDE-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
10000 MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	**2,790**	**4.54**	**3,428**	**638**	**22.87**	**505**	**1,143**
13002 FINANCIAL MANAGERS	172	0.28	211	39	22.67	25	64
13005 PERSONNEL, TRAINING, & LABOR RELATIONS MANAGERS	135	0.22	167	32	23.70	20	52
13008 PURCHASING MANAGERS	63	0.10	76	13	20.63	5	18
13011 MARKETING, ADVERTISING, & PUBLIC RELATIONS MGRS.	115	0.19	144	29	25.22	20	49
13014 ADMINISTRATIVE SERVICES MANAGERS	84	0.14	106	22	26.19	15	37
13017 ENGINEERING, MATH, & NATURAL SCIENCES MANAGERS	146	0.24	190	44	30.14	30	74
15008 MEDICINE & HEALTH SERVICES MANAGERS	1,326	2.16	1,629	303	22.85	240	543
15026 FOOD SERVICE & LODGING MANAGERS	120	0.20	141	21	17.50	25	46
19005 GENERAL MANAGERS & TOP EXECUTIVES	291	0.47	350	59	20.27	60	119
19999 ALL OTHER MANAGERS & ADMINISTRATORS	338	0.55	414	76	22.49	65	141
20000 PROFESSIONAL, PARAPROFESSIONAL, & TECH. OCCUPATIONS	**34,176**	**55.58**	**42,730**	**8,554**	**25.03**	**5,360**	**13,914**
21114 ACCOUNTANTS & AUDITORS	172	0.28	214	42	24.42	35	77
21117 BUDGET ANALYSTS	41	0.07	50	9	21.95	10	19
21199 ALL OTHER FINANCIAL SPECIALISTS	69	0.11	84	15	21.74	15	30
21308 PURCHASING AGENTS, EXC. WHOLESALE, RETAIL, & FARM	114	0.19	142	28	24.56	20	48
21511 PERSONNEL, TRAINING, & LABOR REL. SPECIALISTS	184	0.30	232	48	26.09	20	68
21911 COMPLIANCE & ENFORCEMENT INSPECTORS, EXC. CONST.	51	0.08	63	12	23.53	10	22
21999 ALL OTHER MANAGEMENT SUPPORT WORKERS	397	0.65	487	90	22.67	75	165
22121 CIVIL ENGINEERS, INCLUDING TRAFFIC	25	0.04	31	6	24.00	5	11
22127 COMPUTER ENGINEERS	10	0.02	12	2	20.00	0	2
22135 MECHANICAL ENGINEERS	29	0.05	36	7	24.14	5	12
22199 ALL OTHER ENGINEERS	34	0.06	40	6	17.65	5	11
22502 CIVIL ENGINEERING TECHNICIANS & TECHNOLOGISTS	13	0.02	16	3	23.08	0	3
22505 ELECTRICAL & ELECTRONIC ENGINEERING TECHS.	*	*	*	*	*	0	8
22511 MECHANICAL ENGINEERING TECHNICIANS/TECHNOLOGISTS	5	0.01	6	1	20.00	0	1
22514 DRAFTERS	8	0.01	9	1	12.50	0	1
22599 ALL OTHER ENGINEERING & RELATED TECHS.	19	0.03	23	4	21.05	0	4
24199 ALL OTHER PHYSICAL SCIENTISTS	3	0.00	4	1	33.33	0	1

*SUPPRESSED DATA THAT IS CONFIDENTIAL.

ESTIMATED EMPLOYMENT AND JOB OPENINGS IN HOSPITALS
-STATEWIDE-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
24308 BIOLOGICAL SCIENTISTS	46	0.07	59	13	28.26	5	18
24311 MEDICAL SCIENTISTS	37	0.06	45	8	21.62	10	18
24399 ALL OTHER LIFE SCIENTISTS	7	0.01	8	1	14.29	0	1
24502 BIOLOGICAL, AGRI., & FOOD TECHS., EXC. HEALTH	32	0.05	39	7	21.88	0	7
24505 CHEMICAL TECHNICIANS & TECHNOLOGISTS, EXC. HEALTH	*	*	*	*	*	0	4
24599 ALL OTHER PHYSICAL & LIFE SCIENCE TECHS.	5	0.01	5	0	0.00	0	0
25102 SYSTEMS ANALYSTS, ELECTRONIC DATA PROCESSING	144	0.23	197	53	36.81	10	63
25105 COMPUTER PROGRAMMERS	75	0.12	99	24	32.00	5	29
25108 COMPUTER PROGRAMMER AIDES	19	0.03	26	7	36.84	0	7
25199 ALL OTHER COMPUTER SCIENTISTS	7	0.01	9	2	28.57	0	2
27108 PSYCHOLOGISTS	118	0.19	145	27	22.88	15	42
27199 ALL OTHER SOCIAL SCIENTISTS	38	0.06	48	10	26.32	5	15
27302 SOCIAL WORKERS, MEDICAL & PSYCHIATRIC	1,002	1.63	1,236	234	23.35	115	349
27305 SOCIAL WORKERS, EXC. MEDICAL & PSYCHIATRIC	160	0.26	198	38	23.75	20	58
27308 SOCIAL SERVICE TECHNICIANS	80	0.13	99	19	23.75	10	29
27502 CLERGY	72	0.12	88	16	22.22	30	46
31114 NURSING INSTRUCTORS	121	0.20	147	26	21.49	30	56
31314 TEACHERS & INSTRUCTORS, VOCATIONAL ED. & TRAINING	113	0.18	133	20	17.70	25	45
31399 ALL OTHER TEACHERS & INSTRUCTORS	71	0.12	87	16	22.54	15	31
31502 LIBRARIANS, PROFESSIONAL	37	0.06	44	7	18.92	10	17
31505 TECHNICAL ASSISTANTS, LIBRARY	19	0.03	23	4	21.05	5	9
32102 PHYSICIANS & SURGEONS	808	1.31	961	153	18.94	195	348
32105 DENTISTS	41	0.07	51	10	24.39	10	20
32108 OPTOMETRISTS	7	0.01	8	1	14.29	0	1
32111 PODIATRISTS	11	0.02	13	2	18.18	5	7
32199 ALL OTHER HEALTH DIAGNOSING/TREATING PRACTITIONERS	5	0.01	6	1	20.00	0	1
32302 RESPIRATORY THERAPISTS	816	1.33	993	177	21.69	45	222
32305 OCCUPATIONAL THERAPISTS	221	0.36	288	67	30.32	15	82
32308 PHYSICAL THERAPISTS	407	0.66	507	100	24.57	55	155
32311 CORRECTIVE & MANUAL ARTS THERAPISTS	16	0.03	19	3	18.75	0	3

*SUPPRESSED DATA THAT IS CONFIDENTIAL.

ESTIMATED EMPLOYMENT AND JOB OPENINGS IN HOSPITALS
-STATEWIDE-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
32314 SPEECH PATHOLOGISTS & AUDIOLOGISTS	140	0.23	172	32	22.86	5	37
32317 RECREATIONAL THERAPISTS	146	0.24	180	34	23.29	15	49
32399 ALL OTHER THERAPISTS	213	0.35	262	49	23.00	20	69
32502 REGISTERED NURSES	16,926	27.53	21,368	4,442	26.24	2870	7,312
32505 LICENSED PRACTICAL NURSES	2,467	4.01	3,043	576	23.35	610	1,186
32508 EMERGENCY MEDICAL TECHNICIANS	225	0.37	279	54	24.00	20	74
32511 PHYSICIAN'S ASSISTANTS	89	0.14	101	12	13.48	5	17
32517 PHARMACISTS	639	1.04	825	186	29.11	150	336
32521 DIETITIANS & NUTRITIONISTS	243	0.40	297	54	22.22	50	104
32523 DIETETIC TECHNICIANS	226	0.37	285	59	26.11	45	104
32902 MEDICAL & CLINICAL LABORATORY TECHNOLOGISTS	1,090	1.77	1,257	167	15.32	65	232
32905 MEDICAL & CLINICAL LABORATORY TECHNICIANS	938	1.53	1,082	144	15.35	60	204
32908 DENTAL HYGIENISTS	10	0.02	12	2	20.00	0	2
32911 MEDICAL RECORDS TECHNICIANS & TECHNOLOGISTS	420	0.68	555	135	32.14	40	175
32914 NUCLEAR MEDICINE TECHNOLOGISTS	109	0.18	134	25	22.94	10	35
32917 RADIOLOGIC TECHNOLOGISTS	585	0.95	785	200	34.19	45	245
32921 RADIOLOGIC TECHNICIANS	511	0.83	681	170	33.27	40	210
32923 ELECTROENCEPHALOGRAPH TECHNICIANS & TECHNOLOGISTS	59	0.10	76	17	28.81	5	22
32925 CARDIOLOGY TECHNOLOGISTS	278	0.45	341	63	22.66	20	83
32926 ELECTROCARDIOGRAPH TECHNICIANS & TECHNOLOGISTS	167	0.27	193	26	15.57	15	41
32928 SURGICAL TECHNICIANS	490	0.80	656	166	33.88	50	216
32931 PSYCHIATRIC TECHNICIANS	286	0.47	351	65	22.73	25	90
32999 ALL OTHER HEALTH PARA/PROFESSIONALS & TECHNS.	1,327	2.16	1,677	350	26.38	265	615
34008 PUBLIC RELATIONS SPECIALISTS & PUBLICITY WRITERS	77	0.13	93	16	20.78	15	31
34023 PHOTOGRAPHERS	30	0.05	38	8	26.67	5	13
39999 ALL OTHER PROFESSIONAL, PARAPROFESSIONAL, & TECHN.	735	1.20	904	169	22.99	75	244
40000 SALES & RELATED OCCUPATIONS	**171**	**0.28**	**213**	**42**	**24.56**	**25**	**67**
49023 CASHIERS	116	0.19	145	29	25.00	15	44
49999 ALL OTHER SALES & RELATED WORKERS	55	0.09	68	13	23.64	10	23

*SUPPRESSED DATA THAT IS CONFIDENTIAL.

ESTIMATED EMPLOYMENT AND JOB OPENINGS IN HOSPITALS
-STATEWIDE-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
50000 CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	**11,087**	**18.03**	**13,357**	**2,270**	**20.47**	**1,615**	**3,885**
51002 FIRST LINE SUPERVISORS-CLERICAL & ADMIN. SUPPORT	531	0.86	639	108	20.34	80	188
53123 ADJUSTMENT CLERKS	307	0.50	381	74	24.10	25	99
55105 MEDICAL SECRETARIES	924	1.50	1,167	243	26.30	125	368
55199 ALL OTHER SECRETARIES	565	0.92	682	117	20.71	75	192
55302 STENOGRAPHERS	56	0.09	53	-3	-5.36	15	12
55305 RECEPTIONISTS & INFORMATION CLERKS	233	0.38	296	63	27.04	30	93
55308 TYPISTS	796	1.29	869	73	9.17	85	158
55311 TYPISTS, WORD PROCESSING EQUIPMENT	143	0.23	156	13	9.09	15	28
55314 PERSONNEL CLERKS, EXC. PAYROLL & TIMEKEEPING	90	0.15	109	19	21.11	10	29
55321 FILE CLERKS	226	0.37	261	35	15.49	25	60
55323 ORDER CLERKS-MATERIALS, MERCHANDISE, & SERVICE	47	0.08	54	7	14.89	5	12
55326 PROCUREMENT CLERKS	53	0.09	65	12	22.64	5	17
55328 STATISTICAL CLERKS	287	0.47	323	36	12.54	35	71
55332 INTERVIEWING CLERKS, EXC. PERSONNEL & WELFARE	885	1.44	1,079	194	21.92	210	404
55338 BOOKKEEPING, ACCOUNTING, & AUDITING CLERKS	382	0.62	445	63	16.49	80	143
55341 PAYROLL & TIMEKEEPING CLERKS	101	0.16	116	15	14.85	10	25
55344 BILLING, COST & RATE CLERKS	477	0.78	553	76	15.93	30	106
55347 GENERAL OFFICE CLERKS	2,977	4.84	3,682	705	23.68	540	1,245
56002 BILLING, POSTING, & CALCULATING MACHINE OPERATORS	8	0.01	10	2	25.00	0	2
56011 COMPUTER OPERATORS, EXC. PERIPHERAL EQUIPMENT	224	0.36	280	56	25.00	15	71
56017 DATA ENTRY KEYERS. EXC. COMPOSING	203	0.33	221	18	8.87	10	28
56099 ALL OTHER OFFICE MACHINE OPERATORS	16	0.03	19	3	18.75	0	3
57102 SWITCHBOARD OPERATORS	359	0.58	440	81	22.56	50	131
58002 DISPATCHERS-POLICE, FIRE, & AMBULANCE	26	0.04	32	6	23.08	0	6
58023 STOCK CLERKS-STOCKROOM, WAREHOUSE OR STORAGE YARD	527	0.86	635	108	20.49	55	163
58028 TRAFFIC, SHIPPING, & RECEIVING CLERKS	66	0.11	80	14	21.21	10	24
58099 ALL OTHER MATERIAL RECORDING/SCHEDULING/DISTRIB.	49	0.08	59	10	20.41	10	20
59999 ALL OTHER CLERICAL & ADMINISTRATIVE SUPPORT WKRS.	529	0.86	651	122	23.06	65	187

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ESTIMATED EMPLOYMENT AND JOB OPENINGS IN HOSPITALS
-STATEWIDE-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
60000 SERVICE OCCUPATIONS	**11,248**	**18.29**	**13,710**	**2,462**	**21.89**	**2,270**	**4,732**
61008 HOUSEKEEPERS	249	0.40	312	63	25.30	90	153
61099 ALL OTHER SERVICE SUPERVISORS & MGR./SUPERVISORS	214	0.35	263	49	22.90	45	94
63047 GUARDS & WATCH GUARDS	328	0.53	379	51	15.55	135	186
65011 FOOD SERVERS, OUTSIDE	432	0.70	518	86	19.91	30	116
65014 DINING ROOM/CAFETERIA ATTENDTS. & BARTDR. HELPERS	63	0.10	76	13	20.63	5	18
65017 COUNTER ATTENDANTS-LUNCHROOM, COFFEE SHOP, & CAFE.	25	0.04	30	5	20.00	0	5
65021 BAKERS, BREAD & PASTRY	21	0.03	25	4	19.05	5	9
65028 COOKS, INSTITUTION OR CAFETERIA	472	0.77	545	73	15.47	65	138
65035 COOKS, SHORT ORDER	57	0.09	71	14	24.56	5	19
65038 FOOD PREPARATION WORKERS	950	1.54	1,102	152	16.00	150	302
65099 ALL OTHER FOOD SERVICE WORKERS	82	0.13	97	15	18.29	15	30
66002 DENTAL ASSISTANTS	103	0.17	127	24	23.30	5	29
66005 MEDICAL ASSISTANTS	224	0.36	278	54	24.11	25	79
66008 NURSING AIDES, ORDERLIES, & ATTENDANTS	3,236	5.26	3,973	737	22.78	660	1,397
66011 HOME HEALTH AIDES	320	0.52	409	89	27.81	10	99
66014 PSYCHIATRIC AIDES	872	1.42	1,088	216	24.77	180	396
66017 PHYSICAL & CORRECTIVE THERAPY ASSISTANTS & AIDES	251	0.41	309	58	23.11	25	83
66021 OCCUPATIONAL THERAPY ASSISTANTS & AIDES	44	0.07	55	11	25.00	5	16
66023 AMBULANCE DRIVERS & ATTDTS.-EXC. EMER. MED. TECHS.	*	*	*	*	*	0	1
66026 PHARMACY ASSISTANTS	444	0.72	565	121	27.25	45	166
66099 ALL OTHER HEALTH SERVICE WORKERS	576	0.94	733	157	27.26	160	317
67002 MAIDS & HOUSEKEEPING CLEANERS	1,784	2.90	2,148	364	20.40	460	824
67005 JANITORS & CLEANERS, EXC. MAIDS & HOUSEKEEPING	365	0.59	440	75	20.55	115	190
67099 ALL OTHER CLEANING/BLDG. SERVICE EXC. PRIV. HOUSE.	58	0.09	71	13	22.41	20	33
68038 CHILD CARE WORKERS	30	0.05	38	8	26.67	5	13
69999 ALL OTHER SERVICE WORKERS	42	0.07	51	9	21.43	10	19

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ESTIMATED EMPLOYMENT AND JOB OPENINGS IN HOSPITALS
-STATEWIDE-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
70000 AGRICULTURE, FORESTRY, & FISHERY OCCUPATIONS	**112**	**0.18**	**140**	**28**	**25.00**	**30**	**58**
72000 FIRST LINE SUPERVISORS	6	0.01	7	1	16.67	0	1
79014 GARDENERS & GROUNDSKEEPERS, EXC. FARM	106	0.17	133	27	25.47	30	57
80000 PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	**1,907**	**3.10**	**2,372**	**465**	**24.38**	**305**	**770**
81002 FIRST LINE MGRS./SUPERS.- MECHS./INSTALLERS/REPRS.	147	0.24	183	36	24.49	30	66
81099 ALL OTHER FIRST LINE MGRS./SUPRS.-MAIN./PROD./CONST	59	0.10	72	13	22.03	10	23
85110 MACHINERY MAINTENANCE MECHANICS	108	0.18	141	33	30.56	15	48
85132 MAINTENANCE REPAIRERS, GENERAL UTILITY	385	0.63	483	98	25.45	65	163
85902 HEATING, AIR COND., & REFRIG. MECHS. & INSTALLERS	82	0.13	102	20	24.39	10	30
85908 ELECTROMED'CAL & BIOMEDICAL EQUIPMENT REPAIRERS	176	0.29	223	47	26.70	30	77
85956 MENDERS#-GARMENTS, LINENS, & RELATED	22	0.04	26	4	18.18	5	9
85999 ALL OTHER MECHANICS, INSTALLERS, & REPAIRERS	19	0.03	24	5	26.32	5	10
87102 CARPENTERS	111	0.18	139	28	25.23	15	43
87202 ELECTRICIANS	80	0.13	98	18	22.50	10	28
87402 PAINTERS & PAPERHANGERS - CONST. & MAINTENANCE	63	0.10	77	14	22.22	10	24
87502 PLUMBERS, PIPEFITTERS, & STEAMFITTERS	58	0.09	72	14	24.14	10	24
87999 ALL OTHER CONST./EXTRACT. WKRS. EXC. HELPERS	22	0.04	27	5	22.73	0	5
89999 ALL OTHER PRECISION WORKERS	32	0.05	39	7	21.88	5	12
92726 LAUNDRY & DRYCLEANING MACH. OPERS., EXC. PRESSING	131	0.21	160	29	22.14	30	59
92728 PRESSING MACHINE OPERS. -TEXTILE, GARMENTS, & REL.	13	0.02	16	3	23.08	5	8
92900 ALL OTHER MACH. SETTERS & OPERS. EXC. METAL/PLASTIC	*	*	*	*	*	0	1
92926 BOILER OPERATORS & TENDERS, LOW PRESSURE	30	0.05	37	7	23.33	5	12
92998 ALL OTHER MACHINE OPERATORS & TENDERS	12	0.02	14	2	16.67	0	2
93999 ALL OTHER HAND WORKERS	46	0.07	56	10	21.74	5	15
95032 STATIONARY ENGINEERS	112	0.18	134	22	19.64	15	37
95099 ALL OTHER PLANT & SYSTEM OPERATORS	*	*	*	*	*	0	1
97105 TRUCK DRIVERS, LIGHT-INCL. DELIVERY & ROUTE WKRS.	109	0.18	137	28	25.69	10	38

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ESTIMATED EMPLOYMENT AND JOB OPENINGS IN HOSPITALS
-STATEWIDE-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
97199 ALL OTHER MOTOR VEHICLE OPERATORS	43	0.07	54	11	25.58	10	21
97808 PARKING LOT ATTENDANTS	15	0.02	18	3	20.00	0	3
97989 ALL OTHER TRANSPORT./MATL. MOVING EQUIP. OPERS.	23	0.04	29	6	26.09	5	11
TOTAL OF ALL OCCUPATIONS	**61,491**	**100.00**	**75,950**	**14,459**	**23.51**	**10,110**	**24,569**

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ESTIMATED EMPLOYMENT AND JOB OPENINGS IN HOSPITALS
-APACHE COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
10000 MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	**27**	**2.37**	**34**	**7**	**25.93**	**0**	**7**
15008 MEDICINE & HEALTH SERVICES MANAGERS	9	0.79	11	2	22.22	0	2
19005 GENERAL MANAGERS & TOP EXECUTIVES	8	0.70	10	2	25.00	0	2
19999 ALL OTHER MANAGERS & ADMINISTRATORS	10	0.88	13	3	30.00	0	3
20000 PROFESSIONAL, PARAPROFESSIONAL, & TECH. OCCUPATIONS	**621**	**54.43**	**792**	**171**	**27.54**	**90**	**261**
21199 ALL OTHER FINANCIAL SPECIALISTS	4	0.35	5	1	25.00	0	1
21999 ALL OTHER MANAGEMENT SUPPORT WORKERS	9	0.79	12	3	33.33	0	3
22121 CIVIL ENGINEERS, INCLUDING TRAFFIC	14	1.23	18	4	28.57	0	4
22199 ALL OTHER ENGINEERS	1	0.09	1	0	0.00	0	0
22599 ALL OTHER ENGINEERING & RELATED TECHS.	6	0.53	8	2	33.33	0	2
24399 ALL OTHER LIFE SCIENTISTS	2	0.18	3	1	50.00	0	1
24599 ALL OTHER PHYSICAL & LIFE SCIENCE TECHS.	2	0.18	3	1	50.00	0	1
27302 SOCIAL WORKERS, MEDICAL & PSYCHIATRIC	*	*	*	*	*	0	2
27308 SOCIAL SERVICE TECHNICIANS	*	*	*	*	*	0	1
31114 NURSING INSTRUCTORS	5	0.44	6	1	20.00	0	1
31399 ALL OTHER TEACHERS & INSTRUCTORS	4	0.35	5	1	25.00	0	1
32102 PHYSICIANS & SURGEONS	58	5.08	71	13	22.41	15	28
32105 DENTISTS	12	1.05	15	3	25.00	0	3
32199 ALL OTHER HEALTH DIAGNOSING/TREATING PRACTITIONERS	4	0.35	5	1	25.00	0	1
32308 PHYSICAL THERAPISTS	5	0.44	6	1	20.00	0	1
32399 ALL OTHER THERAPISTS	2	0.18	3	1	50.00	0	1
32502 REGISTERED NURSES	252	22.09	327	75	29.76	45	120
32505 LICENSED PRACTICAL NURSES	77	6.75	97	20	25.97	20	40
32508 EMERGENCY MEDICAL TECHNICIANS	*	*	*	*	*	0	2
32511 PHYSICIAN'S ASSISTANTS	*	*	*	*	*	0	2
32517 PHARMACISTS	17	1.49	23	6	35.29	5	11
32521 DIETITIANS & NUTRITIONISTS	6	0.53	8	2	33.33	0	2
32902 MEDICAL & CLINICAL LABORATORY TECHNOLOGISTS	22	1.93	27	5	22.73	0	5
32905 MEDICAL & CLINICAL LABORATORY TECHNICIANS	*	*	*	*	*	0	5

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ESTIMATED EMPLOYMENT AND JOB OPENINGS IN HOSPITALS
-APACHE COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
32911 MEDICAL RECORDS TECHNICIANS & TECHNOLOGISTS	8	0.70	11	3	37.50	0	3
32917 RADIOLOGIC TECHNOLOGISTS	8	0.70	11	3	37.50	0	3
32921 RADIOLOGIC TECHNICIANS	*	*	*	*	*	0	3
32999 ALL OTHER HEALTH PARA/PROFESSIONALS & TECHNS.	23	2.02	29	6	26.09	5	11
39999 ALL OTHER PROFESSIONAL, PARAPROFESSIONAL, & TECHN.	11	0.96	14	3	27.27	0	3
50000 CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	**197**	**17.27**	**246**	**49**	**24.87**	**20**	**69**
51002 FIRST LINE SUPERVISORS-CLERICAL & ADMIN. SUPPORT	6	0.53	8	2	33.33	0	2
55105 MEDICAL SECRETARIES	25	2.19	33	8	32.00	5	13
55199 ALL OTHER SECRETARIES	10	0.88	13	3	30.00	0	3
55308 TYPISTS	13	1.14	15	2	15.38	0	2
55314 PERSONNEL CLERKS, EXC. PAYROLL & TIMEKEEPING	5	0.44	6	1	20.00	0	1
55328 STATISTICAL CLERKS	19	1.67	22	3	15.79	0	3
55332 INTERVIEWING CLERKS, EXC. PERSONNEL & WELFARE	5	0.44	6	1	20.00	0	1
55338 BOOKKEEPING, ACCOUNTING, & AUDITING CLERKS	13	1.14	15	2	15.38	5	7
55347 GENERAL OFFICE CLERKS	62	5.43	79	17	27.42	10	27
57102 SWITCHBOARD OPERATORS	6	0.53	8	2	33.33	0	2
58002 DISPATCHERS-POLICE, FIRE, & AMBULANCE	*	*	*	*	*	0	1
58028 TRAFFIC, SHIPPING, & RECEIVING CLERKS	13	1.14	16	3	23.08	0	3
58099 ALL OTHER MATERIAL RECORDING/SCHEDULING/DISTRIB.	*	*	*	*	*	0	1
59999 ALL OTHER CLERICAL & ADMINISTRATIVE SUPPORT WKRS.	11	0.96	14	3	27.27	0	3
60000 SERVICE OCCUPATIONS	**217**	**19.02**	**272**	**55**	**25.35**	**40**	**95**
61099 ALL OTHER SERVICE SUPERVISORS & MGR./SUPERVISORS	6	0.53	8	2	33.33	0	2
63047 GUARDS & WATCH GUARDS	20	1.75	24	4	20.00	10	14
65028 COOKS, INSTITUTION OR CAFETERIA	24	2.10	29	5	20.83	5	10
65035 COOKS, SHORT ORDER	10	0.88	13	3	30.00	0	3
65099 ALL OTHER FOOD SERVICE WORKERS	6	0.53	8	2	33.33	0	2
66002 DENTAL ASSISTANTS	*	*	*	*	*	0	2
66008 NURSING AIDES, ORDERLIES, & ATTENDANTS	75	6.57	94	19	25.33	15	34

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ESTIMATED EMPLOYMENT AND JOB OPENINGS IN HOSPITALS
-APACHE COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
66014 PSYCHIATRIC AIDES	*	*	*	*	*	0	2
66026 PHARMACY ASSISTANTS	9	0.79	11	2	22.22	0	2
66099 ALL OTHER HEALTH SERVICE WORKERS	9	0.79	12	3	33.33	0	3
67002 MAIDS & HOUSEKEEPING CLEANERS	41	3.59	51	10	24.39	10	20
67099 ALL OTHER CLEANING/BLDG. SERVICE EXC. PRIV. HOUSE.	2	0.18	3	1	50.00	0	1
70000 AGRICULTURE, FORESTRY, & FISHERY OCCUPATIONS	**2**	**0.18**	**3**	**1**	**50.00**	**0**	**1**
80000 PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	**77**	**6.75**	**100**	**23**	**29.87**	**0**	**23**
81002 FIRST LINE MGRS./SUPERS.- MECHS./INSTALLERS/REPRS.	6	0.53	8	2	33.33	0	2
86110 MACHINERY MAINTENANCE MECHANICS	10	0.88	14	4	40.00	0	4
85132 MAINTENANCE REPAIRERS, GENERAL UTILITY	10	0.88	13	3	30.00	0	3
85908 ELECTROMEDICAL & BIOMEDICAL EQUIPMENT REPAIRERS	7	0.61	9	2	28.57	0	2
85999 ALL OTHER MECHANICS, INSTALLERS, & REPAIRERS	4	0.35	5	1	25.00	0	1
87502 PLUMBERS, PIPEFITTERS, & STEAMFITTERS	5	0.44	6	1	20.00	0	1
87899 ALL OTHER CONSTRUCTION TRADES WORKERS	9	0.79	11	2	22.22	0	2
97105 TRUCK DRIVERS, LIGHT-INCL. DELIVERY & ROUTE WKRS.	25	2.19	33	8	32.00	0	8
97199 ALL OTHER MOTOR VEHICLE OPERATORS	1	0.09	1	0	0.00	0	0
TOTAL OF ALL OCCUPATIONS	**1,141**	**100.00**	**1,447**	**306**	**26.82**	**150**	**456**

ESTIMATED EMPLOYMENT AND JOB OPENINGS IN HOSPITALS
-COCHISE COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
10000 MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	**36**	**3.80**	**47**	**11**	**30.56**	**0**	**11**
15008 MEDICINE & HEALTH SERVICES MANAGERS	13	1.37	17	4	30.77	0	4
19005 GENERAL MANAGERS & TOP EXECUTIVES	8	0.84	10	2	25.00	0	2
19999 ALL OTHER MANAGERS & ADMINISTRATORS	15	1.58	20	5	33.33	0	5
20000 PROFESSIONAL, PARAPROFESSIONAL, & TECH. OCCUPATIONS	**491**	**51.79**	**631**	**140**	**28.51**	**65**	**205**
21199 ALL OTHER FINANCIAL SPECIALISTS	4	0.42	5	1	25.00	0	1
21999 ALL OTHER MANAGEMENT SUPPORT WORKERS	9	0.95	11	2	22.22	0	2
25199 ALL OTHER COMPUTER SCIENTISTS	3	0.32	4	1	33.33	0	1
27308 SOCIAL SERVICE TECHNICIANS	5	0.53	6	1	20.00	0	1
31299 ALL OTHER POSTSECONDARY TEACHERS	1	0.11	1	0	0.00	0	0
31399 ALL OTHER TEACHERS & INSTRUCTORS	2	0.21	3	1	50.00	0	1
32102 PHYSICIANS & SURGEONS	15	1.58	19	4	26.67	5	9
32302 RESPIRATORY THERAPISTS	*	*	*	*	*	0	1
32399 ALL OTHER THERAPISTS	8	0.84	10	2	25.00	0	2
32502 REGISTERED NURSES	214	22.57	280	66	30.84	35	101
32505 LICENSED PRACTICAL NURSES	76	8.02	97	21	27.63	20	41
32508 EMERGENCY MEDICAL TECHNICIANS	8	0.84	10	2	25.00	0	2
32517 PHARMACISTS	8	0.84	10	2	25.00	0	2
32902 MEDICAL & CLINICAL LABORATORY TECHNOLOGISTS	26	2.74	31	5	19.23	0	5
32905 MEDICAL & CLINICAL LABORATORY TECHNICIANS	9	0.95	10	1	11.11	0	1
32911 MEDICAL RECORDS TECHNICIANS & TECHNOLOGISTS	9	0.95	13	4	44.44	0	4
32917 RADIOLOGIC TECHNOLOGISTS	12	1.27	17	5	41.67	0	5
32931 PSYCHIATRIC TECHNICIANS	*	*	*	*	*	5	17
32999 ALL OTHER HEALTH PARA/PROFESSIONALS & TECHNS.	19	2.00	25	6	31.58	0	6
39999 ALL OTHER PROFESSIONAL, PARAPROFESSIONAL, & TECHN.	13	1.37	16	3	23.08	0	3
40000 SALES & RELATED OCCUPATIONS	**1**	**0.11**	**1**	**0**	**0.00**	**0**	**0**

*SUPPRESSED DATA THAT IS CONFIDENTIAL.

ESTIMATED EMPLOYMENT AND JOB OPENINGS IN HOSPITALS
-COCHISE COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
50000 CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	**189**	**19.94**	**234**	**45**	**23.81**	**10**	**55**
51002 FIRST LINE SUPERVISORS-CLERICAL & ADMIN. SUPPORT	8	0.84	10	2	25.00	0	2
53123 ADJUSTMENT CLERKS	5	0.53	6	1	20.00	0	1
55105 MEDICAL SECRETARIES	17	1.79	22	5	29.41	0	5
55308 TYPISTS	18	1.90	20	2	11.11	0	2
55326 PROCUREMENT CLERKS	5	0.53	6	1	20.00	0	1
55328 STATISTICAL CLERKS	17	1.79	20	3	17.65	0	3
55332 INTERVIEWING CLERKS, EXC. PERSONNEL & WELFARE	23	2.43	29	6	26.09	5	11
55338 BOOKKEEPING, ACCOUNTING, & AUDITING CLERKS	8	0.84	10	2	25.00	0	2
55344 BILLING, COST & RATE CLERKS	11	1.16	13	2	18.18	0	2
55347 GENERAL OFFICE CLERKS	34	3.59	43	9	26.47	5	14
56017 DATA ENTRY KEYERS. EXC. COMPOSING	5	0.53	5	0	0.00	0	0
56099 ALL OTHER OFFICE MACHINE OPERATORS	3	0.32	4	1	33.33	0	1
57199 ALL OTHER COMMUNICATIONS EQUIPMENT OPERATORS	2	0.21	3	1	50.00	0	1
58023 STOCK CLERKS-STOCKROOM, WAREHOUSE OR STORAGE YARD	10	1.05	13	3	30.00	0	3
59999 ALL OTHER CLERICAL & ADMINISTRATIVE SUPPORT WKRS.	23	2.43	30	7	30.43	0	7
60000 SERVICE OCCUPATIONS	**203**	**21.41**	**254**	**51**	**25.12**	**45**	**96**
61008 HOUSEKEEPERS	7	0.74	9	2	28.57	5	7
61099 ALL OTHER SERVICE SUPERVISORS & MGR./SUPERVISORS	6	0.63	8	2	33.33	0	2
65028 COOKS, INSTITUTION OR CAFETERIA	20	2.11	24	4	20.00	5	9
65038 FOOD PREPARATION WORKERS	16	1.69	19	3	18.75	5	8
65099 ALL OTHER FOOD SERVICE WORKERS	12	1.27	15	3	25.00	0	3
66008 NURSING AIDES, ORDERLIES, & ATTENDANTS	89	9.39	112	23	25.84	20	43
66026 PHARMACY ASSISTANTS	6	0.63	8	2	33.33	0	2
66099 ALL OTHER HEALTH SERVICE WORKERS	13	1.37	17	4	30.77	0	4
67002 MAIDS & HOUSEKEEPING CLEANERS	25	2.64	31	6	24.00	5	11
67005 JANITORS & CLEANERS, EXC. MAIDS & HOUSEKEEPING	*	*	*	*	*	5	7
69999 ALL OTHER SERVICE WORKERS	*	*	*	*	*	0	0

*SUPPRESSED DATA THAT IS CONFIDENTIAL.

ESTIMATED EMPLOYMENT AND JOB OPENINGS IN HOSPITALS
-COCHISE COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
70000 AGRICULTURE, FORESTRY, & FISHERY OCCUPATIONS	1	0.11	1	0	0.00	0	0
80000 PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	27	2.85	34	7	25.93	0	7
81002 FIRST LINE MGRS./SUPERS.- MECHS./INSTALLERS/REPRS.	5	0.53	6	1	20.00	0	1
85119 ALL OTHER MACHINERY MAINTENANCE MECHANICS	1	0.11	1	0	0.00	0	0
85132 MAINTENANCE REPAIRERS, GENERAL UTILITY	11	1.16	14	3	27.27	0	3
85908 ELECTROMEDICAL & BIOMEDICAL EQUIPMENT REPAIRERS	6	0.63	8	2	33.33	0	2
85999 ALL OTHER MECHANICS, INSTALLERS, & REPAIRERS	1	0.11	1	0	0.00	0	0
87899 ALL OTHER CONSTRUCTION TRADES WORKERS	1	0.11	1	0	0.00	0	0
97199 ALL OTHER MOTOR VEHICLE OPERATORS	2	0.21	3	1	50.00	0	1
TOTAL OF ALL OCCUPATIONS	948	100.00	1,202	254	26.79	120	374

*SUPPRESSED DATA THAT IS CONFIDENTIAL.

ESTIMATED EMPLOYMENT AND JOB OPENINGS IN HOSPITALS
-COCONINO COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
10000 MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	**47**	**4.04**	**60**	**13**	**27.66**	**5**	**18**
15008 MEDICINE & HEALTH SERVICES MANAGERS	28	2.41	35	7	25.00	5	12
19999 ALL OTHER MANAGERS & ADMINISTRATORS	19	1.63	25	6	31.58	0	6
20000 PROFESSIONAL, PARAPROFESSIONAL, & TECH. OCCUPATIONS	**624**	**53.61**	**802**	**178**	**28.53**	**90**	**268**
21199 ALL OTHER FINANCIAL SPECIALISTS	3	0.26	4	1	33.33	0	1
21999 ALL OTHER MANAGEMENT SUPPORT WORKERS	10	0.86	13	3	30.00	0	3
22121 CIVIL ENGINEERS, INCLUDING TRAFFIC	7	0.60	9	2	28.57	0	2
22599 ALL OTHER ENGINEERING & RELATED TECHS.	2	0.17	3	1	50.00	0	1
24399 ALL OTHER LIFE SCIENTISTS	4	0.34	6	2	50.00	0	2
27302 SOCIAL WORKERS, MEDICAL & PSYCHIATRIC	7	0.60	9	2	28.57	0	2
31299 ALL OTHER POSTSECONDARY TEACHERS	1	0.09	1	0	0.00	0	0
32102 PHYSICIANS & SURGEONS	23	1.98	28	5	21.74	5	10
32105 DENTISTS	5	0.43	6	1	20.00	0	1
32199 ALL OTHER HEALTH DIAGNOSING/TREATING PRACTITIONERS	2	0.17	3	1	50.00	0	1
32308 PHYSICAL THERAPISTS	21	1.80	27	6	28.57	5	11
32399 ALL OTHER THERAPISTS	2	0.17	3	1	50.00	0	1
32502 REGISTERED NURSES	307	26.37	397	90	29.32	55	145
32505 LICENSED PRACTICAL NURSES	64	5.50	80	16	25.00	15	31
32508 EMERGENCY MEDICAL TECHNICIANS	10	0.86	13	3	30.00	0	3
32511 PHYSICIAN'S ASSISTANTS	11	0.95	13	2	18.18	0	2
32517 PHARMACISTS	15	1.29	20	5	33.33	5	10
32521 DIETITIANS & NUTRITIONISTS	5	0.43	6	1	20.00	0	1
32902 MEDICAL & CLINICAL LABORATORY TECHNOLOGISTS	11	0.95	13	2	18.18	0	2
32905 MEDICAL & CLINICAL LABORATORY TECHNICIANS	27	2.32	32	5	18.52	0	5
32911 MEDICAL RECORDS TECHNICIANS & TECHNOLOGISTS	17	1.46	23	6	35.29	0	6
32917 RADIOLOGIC TECHNOLOGISTS	11	0.95	15	4	36.36	0	4
32921 RADIOLOGIC TECHNICIANS	16	1.37	22	6	37.50	0	6
32928 SURGICAL TECHNICIANS	6	0.52	9	3	50.00	0	3
32999 ALL OTHER HEALTH PARA/PROFESSIONALS & TECHNS.	30	2.58	38	8	26.67	5	13

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ESTIMATED EMPLOYMENT AND JOB OPENINGS IN HOSPITALS
-COCONINO COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
39999 ALL OTHER PROFESSIONAL, PARAPROFESSIONAL, & TECHN.	7	0.60	9	2	28.57	0	2
50000 CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	**230**	**19.76**	**287**	**57**	**24.78**	**20**	**77**
51002 FIRST LINE SUPERVISORS-CLERICAL & ADMIN. SUPPORT	6	0.52	8	2	33.33	0	2
53123 ADJUSTMENT CLERKS	13	1.12	16	3	23.08	0	3
55105 MEDICAL SECRETARIES	29	2.49	38	9	31.03	5	14
55302 STENOGRAPHERS	10	0.86	10	0	0.00	5	5
55305 RECEPTIONISTS & INFORMATION CLERKS	10	0.86	13	3	30.00	0	3
55308 TYPISTS	7	0.60	8	1	14.29	0	1
55328 STATISTICAL CLERKS	7	0.60	8	1	14.29	0	1
55332 INTERVIEWING CLERKS, EXC. PERSONNEL & WELFARE	21	1.80	27	6	28.57	5	11
55338 BOOKKEEPING, ACCOUNTING, & AUDITING CLERKS	7	0.60	9	2	28.57	0	2
55344 BILLING, COST & RATE CLERKS	8	0.69	10	2	25.00	0	2
55347 GENERAL OFFICE CLERKS	39	3.35	48	9	23.08	5	14
56017 DATA ENTRY KEYERS. EXC. COMPOSING	6	0.52	6	0	0.00	0	0
56099 ALL OTHER OFFICE MACHINE OPERATORS	2	0.17	3	1	50.00	0	1
57102 SWITCHBOARD OPERATORS	16	1.37	20	4	25.00	0	4
58023 STOCK CLERKS-STOCKROOM, WAREHOUSE OR STORAGE YARD	19	1.63	24	5	26.32	0	5
58099 ALL OTHER MATERIAL RECORDING/SCHEDULING/DISTRIB.	2	0.17	3	1	50.00	0	1
59999 ALL OTHER CLERICAL & ADMINISTRATIVE SUPPORT WKRS.	28	2.41	36	8	28.57	0	8
60000 SERVICE OCCUPATIONS	**228**	**19.59**	**283**	**55**	**24.12**	**40**	**95**
61008 HOUSEKEEPERS	5	0.43	6	1	20.00	0	1
61099 ALL OTHER SERVICE SUPERVISORS & MGR./SUPERVISORS	8	0.69	10	2	25.00	0	2
63099 ALL OTHER PROTECTIVE SERVICE WORKERS	3	0.26	4	1	33.33	0	1
65028 COOKS, INSTITUTION OR CAFETERIA	14	1.20	16	2	14.29	0	2
65038 FOOD PREPARATION WORKERS	21	1.80	25	4	19.05	5	9
65099 ALL OTHER FOOD SERVICE WORKERS	4	0.34	5	1	25.00	0	1
66002 DENTAL ASSISTANTS	10	0.86	13	3	30.00	0	3
66008 NURSING AIDES, ORDERLIES, & ATTENDANTS	96	8.25	121	25	26.04	20	45

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ESTIMATED EMPLOYMENT AND JOB OPENINGS IN HOSPITALS
-COCONINO COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
66017 PHYSICAL & CORRECTIVE THERAPY ASSISTANTS & AIDES	10	0.86	13	3	30.00	0	3
66099 ALL OTHER HEALTH SERVICE WORKERS	8	0.69	11	3	37.50	0	3
67002 MAIDS & HOUSEKEEPING CLEANERS	40	3.44	48	8	20.00	10	18
67005 JANITORS & CLEANERS, EXC. MAIDS & HOUSEKEEPING	9	0.77	11	2	22.22	5	7
80000 PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	**35**	**3.01**	**44**	**9**	**25.71**	**0**	**9**
81099 ALL OTHER FIRST LINE MGRS./SUPRS.-MAIN./PROD./CONST	4	0.34	5	1	25.00	0	1
85110 MACHINERY MAINTENANCE MECHANICS	6	0.52	8	2	33.33	0	2
85132 MAINTENANCE REPAIRERS, GENERAL UTILITY	11	0.95	14	3	27.27	0	3
85999 ALL OTHER MECHANICS, INSTALLERS, & REPAIRERS	5	0.43	6	1	20.00	0	1
87899 ALL OTHER CONSTRUCTION TRADES WORKERS	5	0.43	6	1	20.00	0	1
92900 ALL OTHER MACH. SETTERS & OPERS. EXC. METAL/PLASTIC	3	0.26	4	1	33.33	0	1
97199 ALL OTHER MOTOR VEHICLE OPERATORS	1	0.09	1	0	0.00	0	0
TOTAL OF ALL OCCUPATIONS	**1,164**	**100.00**	**1,476**	**312**	**26.80**	**155**	**467**

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ESTIMATED EMPLOYMENT AND JOB OPENINGS IN HOSPITALS
-GILA COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
10000 MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	**29**	**4.77**	**41**	**12**	**41.38**	**5**	**17**
15008 MEDICINE & HEALTH SERVICES MANAGERS	18	2.96	22	4	22.22	5	9
19999 ALL OTHER MANAGERS & ADMINISTRATORS	11	1.81	19	8	72.73	0	8
20000 PROFESSIONAL, PARAPROFESSIONAL, & TECH. OCCUPATIONS	**270**	**44.41**	**342**	**72**	**26.67**	**40**	**112**
21999 ALL OTHER MANAGEMENT SUPPORT WORKERS	2	0.33	2	0	0.00	0	0
27199 ALL OTHER SOCIAL SCIENTISTS	2	0.33	3	1	50.00	0	1
31399 ALL OTHER TEACHERS & INSTRUCTORS	1	0.16	1	0	0.00	0	0
32102 PHYSICIANS & SURGEONS	18	2.96	22	4	22.22	5	9
32302 RESPIRATORY THERAPISTS	*	*	*	*	*	0	2
32399 ALL OTHER THERAPISTS	4	0.66	5	1	25.00	0	1
32502 REGISTERED NURSES	131	21.55	170	39	29.77	25	64
32505 LICENSED PRACTICAL NURSES	40	6.58	50	10	25.00	10	20
32517 PHARMACISTS	7	1.15	9	2	28.57	0	2
32523 DIETETIC TECHNICIANS	6	0.99	7	1	16.67	0	1
32902 MEDICAL & CLINICAL LABORATORY TECHNOLOGISTS	*	*	*	*	*	0	1
32905 MEDICAL & CLINICAL LABORATORY TECHNICIANS	9	1.48	12	3	33.33	0	3
32917 RADIOLOGIC TECHNOLOGISTS	*	*	*	*	*	0	1
32999 ALL OTHER HEALTH PARA/PROFESSIONALS & TECHNS.	19	3.13	24	5	26.32	0	5
39999 ALL OTHER PROFESSIONAL, PARAPROFESSIONAL, & TECHN.	7	1.15	9	2	28.57	0	2
50000 CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	**122**	**20.07**	**151**	**29**	**23.77**	**5**	**34**
55305 RECEPTIONISTS & INFORMATION CLERKS	*	*	*	*	*	0	3
55308 TYPISTS	18	2.96	20	2	11.11	0	2
55328 STATISTICAL CLERKS	*	*	*	*	*	0	1
55332 INTERVIEWING CLERKS, EXC. PERSONNEL & WELFARE	*	*	*	*	*	0	2
55344 BILLING, COST & RATE CLERKS	16	2.63	20	4	25.00	0	4
55347 GENERAL OFFICE CLERKS	27	4.44	34	7	25.93	5	12
56099 ALL OTHER OFFICE MACHINE OPERATORS	3	0.49	4	1	33.33	0	1
57102 SWITCHBOARD OPERATORS	6	0.99	7	1	16.67	0	1

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ESTIMATED EMPLOYMENT AND JOB OPENINGS IN HOSPITALS
-GILA COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
58023 STOCK CLERKS-STOCKROOM, WAREHOUSE OR STORAGE YARD	9	1.48	12	3	33.33	0	3
59999 ALL OTHER CLERICAL & ADMINISTRATIVE SUPPORT WKRS.	19	3.13	24	5	26.32	0	5
60000 SERVICE OCCUPATIONS	**154**	**25.33**	**194**	**40**	**25.97**	**20**	**60**
61099 ALL OTHER SERVICE SUPERVISORS & MGR./SUPERVISORS	4	0.66	6	2	50.00	0	2
63099 ALL OTHER PROTECTIVE SERVICE WORKERS	4	0.66	5	1	25.00	0	1
65011 FOOD SERVERS, OUTSIDE	*	*	*	*	*	0	3
65028 COOKS, INSTITUTION OR CAFETERIA	13	2.14	15	2	15.38	0	2
65099 ALL OTHER FOOD SERVICE WORKERS	4	0.66	5	1	25.00	0	1
66005 MEDICAL ASSISTANTS	*	*	*	*	*	0	2
66008 NURSING AIDES, ORDERLIES, & ATTENDANTS	71	11.68	89	18	25.35	15	33
66026 PHARMACY ASSISTANTS	6	0.99	7	1	16.67	0	1
66099 ALL OTHER HEALTH SERVICE WORKERS	8	1.32	11	3	37.50	0	3
67002 MAIDS & HOUSEKEEPING CLEANERS	20	3.29	26	6	30.00	5	11
67099 ALL OTHER CLEANING/BLDG. SERVICE EXC. PRIV. HOUSE.	4	0.66	5	1	25.00	0	1
70000 AGRICULTURE, FORESTRY, & FISHERY OCCUPATIONS	**1**	**0.16**	**1**	**0**	**0.00**	**0**	**0**
80000 PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	**32**	**5.26**	**42**	**10**	**31.25**	**0**	**10**
81099 ALL OTHER FIRST LINE MGRS./SUPRS.-MAIN./PROD./CONST	2	0.33	3	1	50.00	0	1
85110 MACHINERY MAINTENANCE MECHANICS	8	1.32	11	3	37.50	0	3
85132 MAINTENANCE REPAIRERS, GENERAL UTILITY	14	2.30	18	4	28.57	0	4
92726 LAUNDRY & DRYCLEANING MACH. OPERS., EXC. PRESSING	*	*	*	*	*	0	2
97199 ALL OTHER MOTOR VEHICLE OPERATORS	*	*	*	*	*	0	0
TOTAL OF ALL OCCUPATIONS	**608**	**100.00**	**771**	**163**	**26.81**	**70**	**233**

*SUPPRESSED DATA THAT IS CONFIDENTIAL.

ESTIMATED EMPLOYMENT AND JOB OPENINGS IN HOSPITALS
-GRAHAM AND GREENLEE COUNTIES-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
10000 MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	**9**	**5.39**	**10**	**1**	**11.11**	**0**	**1**
20000 PROFESSIONAL, PARAPROFESSIONAL, & TECH. OCCUPATIONS	**70**	**41.92**	**90**	**20**	**28.57**	**5**	**25**
21999 ALL OTHER MANAGEMENT SUPPORT WORKERS	1	0.60	1	0	0.00	0	0
32199 ALL OTHER HEALTH DIAGNOSING/TREATING PRACTITIONERS	1	0.60	1	0	0.00	0	0
32502 REGISTERED NURSES	38	22.75	50	12	31.58	5	17
32505 LICENSED PRACTICAL NURSES	6	3.59	8	2	33.33	0	2
32917 RADIOLOGIC TECHNOLOGISTS	6	3.59	7	1	16.67	0	1
32999 ALL OTHER HEALTH PARA/PROFESSIONALS & TECHNS.	17	10.18	22	5	29.41	0	5
39999 ALL OTHER PROFESSIONAL, PARAPROFESSIONAL, & TECHN.	1	0.60	1	0	0.00	0	0
50000 CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	**38**	**22.75**	**48**	**10**	**26.32**	**0**	**10**
55347 GENERAL OFFICE CLERKS	10	5.99	14	4	40.00	0	4
56099 ALL OTHER OFFICE MACHINE OPERATORS	1	0.60	1	0	0.00	0	0
57199 ALL OTHER COMMUNICATIONS EQUIPMENT OPERATORS	1	0.60	1	0	0.00	0	0
58099 ALL OTHER MATERIAL RECORDING/SCHEDULING/DISTRIB.	2	1.20	2	0	0.00	0	0
59999 ALL OTHER CLERICAL & ADMINISTRATIVE SUPPORT WKRS.	24	14.37	30	6	25.00	0	6
60000 SERVICE OCCUPATIONS	**47**	**28.14**	**61**	**14**	**29.79**	**10**	**24**
61099 ALL OTHER SERVICE SUPERVISORS & MGR./SUPERVISORS	1	0.60	1	0	0.00	0	0
65099 ALL OTHER FOOD SERVICE WORKERS	7	4.19	9	2	28.57	0	2
66008 NURSING AIDES, ORDERLIES, & ATTENDANTS	21	12.57	27	6	28.57	5	11
66099 ALL OTHER HEALTH SERVICE WORKERS	7	4.19	9	2	28.57	0	2
67002 MAIDS & HOUSEKEEPING CLEANERS	11	6.59	15	4	36.36	5	9
70000 AGRICULTURE, FORESTRY, & FISHERY OCCUPATIONS	**1**	**0.60**	**1**	**0**	**0.00**	**0**	**0**
80000 PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	**2**	**1.20**	**2**	**0**	**0.00**	**0**	**0**
81099 ALL OTHER FIRST LINE MGRS./SUPRS.-MAIN./PROD./CONST	1	0.60	1	0	0.00	0	0
85999 ALL OTHER MECHANICS, INSTALLERS, & REPAIRERS	1	0.60	1	0	0.00	0	0
TOTAL OF ALL OCCUPATIONS	**167**	**100.00**	**212**	**45**	**26.95**	**15**	**60**

ESTIMATED EMPLOYMENT AND JOB OPENINGS IN HOSPITALS
-LA PAZ COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
10000 MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	**11**	**8.87**	**13**	**2**	**18.18**	**0**	**2**
15008 MEDICINE & HEALTH SERVICES MANAGERS	6	4.84	8	2	33.33	0	2
19999 ALL OTHER MANAGERS & ADMINISTRATORS	5	4.03	5	0	0.00	0	0
20000 PROFESSIONAL, PARAPROFESSIONAL, & TECH. OCCUPATIONS	**44**	**35.48**	**56**	**12**	**27.27**	**5**	**17**
21999 ALL OTHER MANAGEMENT SUPPORT WORKERS	1	0.81	1	0	0.00	0	0
32502 REGISTERED NURSES	24	19.35	31	7	29.17	5	12
32505 LICENSED PRACTICAL NURSES	5	4.03	6	1	20.00	0	1
32921 RADIOLOGIC TECHNICIANS	5	4.03	6	1	20.00	0	1
32999 ALL OTHER HEALTH PARA/PROFESSIONALS & TECHNS.	9	7.26	12	3	33.33	0	3
50000 CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	**24**	**19.35**	**31**	**7**	**29.17**	**0**	**7**
55321 FILE CLERKS	5	4.03	6	1	20.00	0	1
55332 INTERVIEWING CLERKS, EXC. PERSONNEL & WELFARE	6	4.84	8	2	33.33	0	2
55347 GENERAL OFFICE CLERKS	5	4.03	6	1	20.00	0	1
56099 ALL OTHER OFFICE MACHINE OPERATORS	2	1.61	3	1	50.00	0	1
57199 ALL OTHER COMMUNICATIONS EQUIPMENT OPERATORS	2	1.61	3	1	50.00	0	1
59999 ALL OTHER CLERICAL & ADMINISTRATIVE SUPPORT WKRS.	4	3.23	5	1	25.00	0	1
60000 SERVICE OCCUPATIONS	**41**	**33.06**	**52**	**11**	**26.83**	**10**	**21**
61099 ALL OTHER SERVICE SUPERVISORS & MGR./SUPERVISORS	2	1.61	2	0	0.00	0	0
65099 ALL OTHER FOOD SERVICE WORKERS	2	1.61	3	1	50.00	0	1
66008 NURSING AIDES, ORDERLIES, & ATTENDANTS	18	14.52	23	5	27.78	5	10
66099 ALL OTHER HEALTH SERVICE WORKERS	13	10.48	16	3	23.08	5	8
67099 ALL OTHER CLEANING/BLDG. SERVICE EXC. PRIV. HOUSE.	6	4.84	8	2	33.33	0	2
80000 PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	**4**	**3.23**	**5**	**1**	**25.00**	**0**	**1**
81099 ALL OTHER FIRST LINE MGRS./SUPRS.-MAIN./PROD./CONST	1	0.81	1	0	0.00	0	0
85999 ALL OTHER MECHANICS, INSTALLERS, & REPAIRERS	3	2.42	4	1	33.33	0	1
TOTAL OF ALL OCCUPATIONS	**124**	**100.00**	**157**	**33**	**26.61**	**15**	**48**

ESTIMATED EMPLOYMENT AND JOB OPENINGS IN HOSPITALS
-MARICOPA COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
10000 MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	**1,773**	**4.54**	**2,188**	**415**	**23.41**	**325**	**740**
13002 FINANCIAL MANAGERS	98	0.25	122	24	24.49	15	39
13005 PERSONNEL, TRAINING, & LABOR RELATIONS MANAGERS	82	0.21	102	20	24.39	10	30
13008 PURCHASING MANAGERS	35	0.09	43	8	22.86	5	13
13011 MARKETING, ADVERTISING, & PUBLIC RELATIONS MGRS.	77	0.20	97	20	25.97	10	30
13014 ADMINISTRATIVE SERVICES MANAGERS	57	0.15	73	16	28.07	10	26
13017 ENGINEERING, MATH, & NATURAL SCIENCES MANAGERS	95	0.24	124	29	30.53	20	49
15008 MEDICINE & HEALTH SERVICES MANAGERS	788	2.02	969	181	22.97	145	326
15026 FOOD SERVICE & LODGING MANAGERS	80	0.20	96	16	20.00	15	31
19005 GENERAL MANAGERS & TOP EXECUTIVES	190	0.49	229	39	20.53	40	79
19999 ALL OTHER MANAGERS & ADMINISTRATORS	271	0.69	333	62	22.88	55	117
20000 PROFESSIONAL, PARAPROFESSIONAL, & TECH. OCCUPATIONS	**22,239**	**56.92**	**27,850**	**5,611**	**25.23**	**3,445**	**9,056**
21114 ACCOUNTANTS & AUDITORS	137	0.35	172	35	25.55	30	65
21117 BUDGET ANALYSTS	27	0.07	34	7	25.93	5	12
21199 ALL OTHER FINANCIAL SPECIALISTS	50	0.13	62	12	24.00	10	22
21308 PURCHASING AGENTS, EXC. WHOLESALE, RETAIL, & FARM	66	0.17	84	18	27.27	10	28
21511 PERSONNEL, TRAINING, & LABOR REL. SPECIALISTS	119	0.30	151	32	26.89	15	47
21911 COMPLIANCE & ENFORCEMENT INSPECTORS, EXC. CONST.	31	0.08	39	8	25.81	5	13
21999 ALL OTHER MANAGEMENT SUPPORT WORKERS	265	0.68	326	61	23.02	50	111
22127 COMPUTER ENGINEERS	*	*	*	*	*	0	2
22135 MECHANICAL ENGINEERS	*	*	*	*	*	5	11
22199 ALL OTHER ENGINEERS	21	0.05	25	4	19.05	5	9
22505 ELECTRICAL & ELECTRONIC ENGINEERING TECHS.	*	*	*	*	*	0	8
22599 ALL OTHER ENGINEERING & RELATED TECHS.	21	0.05	26	5	23.81	0	5
24199 ALL OTHER PHYSICAL SCIENTISTS	3	0.01	4	1	33.33	0	1
24308 BIOLOGICAL SCIENTISTS	37	0.09	48	11	29.73	5	16
24311 MEDICAL SCIENTISTS	24	0.06	30	6	25.00	5	11
24399 ALL OTHER LIFE SCIENTISTS	3	0.01	4	1	33.33	0	1
24502 BIOLOGICAL, AGRI., & FOOD TECHS., EXC. HEALTH	*	*	*	*	*	0	7

*SUPPRESSED DATA THAT IS CONFIDENTIAL.

ESTIMATED EMPLOYMENT AND JOB OPENINGS IN HOSPITALS
-MARICOPA COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
24505 CHEMICAL TECHNICIANS & TECHNOLOGISTS, EXC. HEALTH	*	*	*	*	*	0	4
24599 ALL OTHER PHYSICAL & LIFE SCIENCE TECHS.	1	0.00	1	0	0.00	0	0
25102 SYSTEMS ANALYSTS, ELECTRONIC DATA PROCESSING	98	0.25	134	36	36.73	5	41
25105 COMPUTER PROGRAMMERS	58	0.15	77	19	32.76	0	19
25108 COMPUTER PROGRAMMER AIDES	7	0.02	10	3	42.86	0	3
25199 ALL OTHER COMPUTER SCIENTISTS	4	0.01	5	1	25.00	0	1
27108 PSYCHOLOGISTS	99	0.25	122	23	23.23	10	33
27199 ALL OTHER SOCIAL SCIENTISTS	33	0.08	42	9	27.27	5	14
27302 SOCIAL WORKERS, MEDICAL & PSYCHIATRIC	710	1.82	877	167	23.52	80	247
27305 SOCIAL WORKERS, EXC. MEDICAL & PSYCHIATRIC	116	0.30	144	28	24.14	15	43
27308 SOCIAL SERVICE TECHNICIANS	51	0.13	64	13	25.49	5	18
27502 CLERGY	45	0.12	55	10	22.22	15	25
31114 NURSING INSTRUCTORS	84	0.21	103	19	22.62	20	39
31314 TEACHERS & INSTRUCTORS, VOCATIONAL ED. & TRAINING	89	0.23	106	17	19.10	20	37
31399 ALL OTHER TEACHERS & INSTRUCTORS	43	0.11	53	10	23.26	10	20
31502 LIBRARIANS, PROFESSIONAL	19	0.05	23	4	21.05	5	9
31505 TECHNICAL ASSISTANTS, LIBRARY	14	0.04	17	3	21.43	5	8
32102 PHYSICIANS & SURGEONS	616	1.58	733	117	18.99	145	262
32105 DENTISTS	14	0.04	17	3	21.43	5	8
32111 PODIATRISTS	8	0.02	9	1	12.50	0	1
32199 ALL OTHER HEALTH DIAGNOSING/TREATING PRACTITIONERS	2	0.01	2	0	0.00	0	0
32302 RESPIRATORY THERAPISTS	563	1.44	685	122	21.67	30	152
32305 OCCUPATIONAL THERAPISTS	153	0.39	199	46	30.07	10	56
32308 PHYSICAL THERAPISTS	221	0.57	276	55	24.89	30	85
32311 CORRECTIVE & MANUAL ARTS THERAPISTS	*	*	*	*	*	0	3
32314 SPEECH PATHOLOGISTS & AUDIOLOGISTS	101	0.26	125	24	23.76	0	24
32317 RECREATIONAL THERAPISTS	116	0.30	144	28	24.14	10	38
32399 ALL OTHER THERAPISTS	197	0.50	242	45	22.84	15	60
32502 REGISTERED NURSES	10,961	28.05	13,849	2,888	26.35	1,860	4,748
32505 LICENSED PRACTICAL NURSES	1,460	3.74	1,805	345	23.63	360	705

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ESTIMATED EMPLOYMENT AND JOB OPENINGS IN HOSPITALS
-MARICOPA COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPARATIONS	TOTAL OPENINGS
32508 EMERGENCY MEDICAL TECHNICIANS	144	0.37	180	36	25.00	15	51
32511 PHYSICIAN'S ASSISTANTS	*	*	*	*	*	0	2
32517 PHARMACISTS	363	0.93	470	107	29.48	85	192
32521 DIETITIANS & NUTRITIONISTS	151	0.39	187	36	23.84	30	66
32523 DIETETIC TECHNICIANS	144	0.37	182	38	26.39	30	68
32902 MEDICAL & CLINICAL LABORATORY TECHNOLOGISTS	576	1.47	666	90	15.63	35	125
32905 MEDICAL & CLINICAL LABORATORY TECHNICIANS	640	1.64	739	99	15.47	40	139
32911 MEDICAL RECORDS TECHNICIANS & TECHNOLOGISTS	244	0.62	321	77	31.56	20	97
32914 NUCLEAR MEDICINE TECHNOLOGISTS	71	0.18	89	18	25.35	5	23
32917 RADIOLOGIC TECHNOLOGISTS	360	0.92	481	121	33.61	30	151
32921 RADIOLOGIC TECHNICIANS	326	0.83	435	109	33.44	25	134
32923 ELECTROENCEPHALOGRAPH TECHNICIANS & TECHNOLOGISTS	33	0.08	43	10	30.30	5	15
32925 CARDIOLOGY TECHNOLOGISTS	217	0.56	267	50	23.04	15	65
32926 ELECTROCARDIOGRAPH TECHNICIANS & TECHNOLOGISTS	107	0.27	124	17	15.89	10	27
32928 SURGICAL TECHNICIANS	313	0.80	418	105	33.55	30	135
32931 PSYCHIATRIC TECHNICIANS	175	0.45	215	40	22.86	15	55
32999 ALL OTHER HEALTH PARA/PROFESSIONALS & TECHNS.	917	2.35	1,158	241	26.28	180	421
34008 PUBLIC RELATIONS SPECIALISTS & PUBLICITY WRITERS	57	0.15	69	12	21.05	10	22
34023 PHOTOGRAPHERS	28	0.07	36	8	28.57	5	13
39999 ALL OTHER PROFESSIONAL, PARAPROFESSIONAL, & TECHN.	556	1.42	684	128	23.02	55	183
40000 SALES & RELATED OCCUPATIONS	**115**	**0.29**	**143**	**28**	**24.35**	**20**	**48**
49023 CASHIERS	68	0.17	85	17	25.00	10	27
49999 ALL OTHER SALES & RELATED WORKERS	47	0.12	58	11	23.40	10	21
50000 CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	**7,033**	**18.00**	**8,488**	**1,455**	**20.69**	**1,010**	**2,465**
51002 FIRST LINE SUPERVISORS-CLERICAL & ADMIN. SUPPORT	372	0.95	448	76	20.43	55	131
53123 ADJUSTMENT CLERKS	254	0.65	316	62	24.41	20	82
55105 MEDICAL SECRETARIES	660	1.69	835	175	26.52	90	265

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ESTIMATED EMPLOYMENT AND JOB OPENINGS IN HOSPITALS
-MARICOPA COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
55199 ALL OTHER SECRETARIES	408	1.04	492	84	20.59	55	139
55302 STENOGRAPHERS	43	0.11	41	-2	-4.65	10	8
55305 RECEPTIONISTS & INFORMATION CLERKS	160	0.41	203	43	26.87	20	63
55308 TYPISTS	489	1.25	533	44	9.00	50	94
55311 TYPISTS, WORD PROCESSING EQUIPMENT	127	0.33	139	12	9.45	15	27
55314 PERSONNEL CLERKS, EXC. PAYROLL & TIMEKEEPING	38	0.10	47	9	23.68	5	14
55321 FILE CLERKS	160	0.41	183	23	14.38	20	43
55323 ORDER CLERKS-MATERIALS, MERCHANDISE, & SERVICE	17	0.04	20	3	17.65	0	3
55326 PROCUREMENT CLERKS	21	0.05	26	5	23.81	0	5
55328 STATISTICAL CLERKS	116	0.30	130	14	12.07	15	29
55332 INTERVIEWING CLERKS, EXC. PERSONNEL & WELFARE	540	1.38	657	117	21.67	125	242
55338 BOOKKEEPING, ACCOUNTING, & AUDITING CLERKS	239	0.61	277	38	15.90	50	88
55341 PAYROLL & TIMEKEEPING CLERKS	67	0.17	77	10	14.93	5	15
55344 BILLING, COST & RATE CLERKS	302	0.77	349	47	15.56	20	67
55347 GENERAL OFFICE CLERKS	1,838	4.70	2,278	440	23.94	335	775
56011 COMPUTER OPERATORS, EXC. PERIPHERAL EQUIPMENT	172	0.44	217	45	26.16	10	55
56017 DATA ENTRY KEYERS, EXC. COMPOSING	118	0.30	130	12	10.17	5	17
56099 ALL OTHER OFFICE MACHINE OPERATORS	14	0.04	17	3	21.43	0	3
57102 SWITCHBOARD OPERATORS	180	0.46	223	43	23.89	25	68
58002 DISPATCHERS-POLICE, FIRE, & AMBULANCE	*	*	*	*	*	0	2
58023 STOCK CLERKS-STOCKROOM, WAREHOUSE OR STORAGE YARD	342	0.88	412	70	20.47	35	105
58028 TRAFFIC, SHIPPING, & RECEIVING CLERKS	34	0.09	42	8	23.53	5	13
58099 ALL OTHER MATERIAL RECORDING/SCHEDULING/DISTRIB.	*	*	*	*	*	5	12
59999 ALL OTHER CLERICAL & ADMINISTRATIVE SUPPORT WKRS.	281	0.72	346	65	23.13	35	100
60000 SERVICE OCCUPATIONS	**6,698**	**17.14**	**8,187**	**1,489**	**22.23**	**1,335**	**2,824**
61008 HOUSEKEEPERS	136	0.35	171	35	25.74	50	85
61099 ALL OTHER SERVICE SUPERVISORS & MGR./SUPERVISORS	100	0.26	123	23	23.00	20	43
63047 GUARDS & WATCH GUARDS	234	0.60	269	35	14.96	95	130
65011 FOOD SERVERS, OUTSIDE	234	0.60	282	48	20.51	15	63

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ESTIMATED EMPLOYMENT AND JOB OPENINGS IN HOSPITALS
-MARICOPA COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
65017 COUNTER ATTENDANTS-LUNCHROOM, COFFEE SHOP, & CAFE.	*	*	*	*	*	0	3
65021 BAKERS, BREAD & PASTRY	*	*	*	*	*	0	1
65028 COOKS, INSTITUTION OR CAFETERIA	244	0.62	283	39	15.98	35	74
65035 COOKS, SHORT ORDER	36	0.09	46	10	27.78	0	10
65038 FOOD PREPARATION WORKERS	626	1.60	726	100	15.97	100	200
65099 ALL OTHER FOOD SERVICE WORKERS	34	0.09	41	7	20.59	5	12
66002 DENTAL ASSISTANTS	30	0.08	37	7	23.33	0	7
66005 MEDICAL ASSISTANTS	198	0.51	248	50	25.25	20	70
66008 NURSING AIDES, ORDERLIES, & ATTENDANTS	1,614	4.13	1,983	369	22.86	330	699
66011 HOME HEALTH AIDES	263	0.67	337	74	28.14	10	84
66014 PSYCHIATRIC AIDES	730	1.87	912	182	24.93	150	332
66017 PHYSICAL & CORRECTIVE THERAPY ASSISTANTS & AIDES	190	0.49	235	45	23.68	20	65
66021 OCCUPATIONAL THERAPY ASSISTANTS & AIDES	31	0.08	39	8	25.81	5	13
66023 AMBULANCE DRIVERS & ATTDTS.-EXC. EMER. MED. TECHS.	*	*	*	*	*	0	1
66026 PHARMACY ASSISTANTS	258	0.66	330	72	27.91	25	97
66099 ALL OTHER HEALTH SERVICE WORKERS	368	0.94	470	102	27.72	100	202
67002 MAIDS & HOUSEKEEPING CLEANERS	1,105	2.83	1,331	226	20.45	285	511
67005 JANITORS & CLEANERS, EXC. MAIDS & HOUSEKEEPING	125	0.32	150	25	20.00	40	65
67099 ALL OTHER CLEANING/BLDG. SERVICE EXC. PRIV. HOUSE.	45	0.12	55	10	22.22	15	25
68038 CHILD CARE WORKERS	30	0.08	38	8	26.67	5	13
69999 ALL OTHER SERVICE WORKERS	40	0.10	49	9	22.50	10	19
70000 AGRICULTURE, FORESTRY, & FISHERY OCCUPATIONS	**73**	**0.19**	**92**	**19**	**26.03**	**20**	**39**
72000 FIRST LINE SUPERVISORS	6	0.02	7	1	16.67	0	1
79014 GARDENERS & GROUNDSKEEPERS, EXC. FARM	67	0.17	85	18	26.87	20	38
80000 PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	**1,143**	**2.93**	**1,432**	**289**	**25.28**	**165**	**454**
81002 FIRST LINE MGRS./SUPERS.- MECHS./INSTALLERS/REPRS.	90	0.23	113	23	25.56	20	43
81099 ALL OTHER FIRST LINE MGRS./SUPRS.-MAIN./PROD./CONST	39	0.10	49	10	25.64	5	15
85110 MACHINERY MAINTENANCE MECHANICS	55	0.14	73	18	32.73	5	23

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ESTIMATED EMPLOYMENT AND JOB OPENINGS IN HOSPITALS
-MARICOPA COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
85132 MAINTENANCE REPAIRERS, GENERAL UTILITY	247	0.63	311	64	25.91	40	104
85902 HEATING, AIR COND., & REFRIG. MECHS. & INSTALLERS	50	0.13	63	13	26.00	5	18
85908 ELECTROMEDICAL & BIOMEDICAL EQUIPMENT REPAIRERS	96	0.25	123	27	28.13	15	42
85999 ALL OTHER MECHANICS, INSTALLERS, & REPAIRERS	14	0.04	17	3	21.43	0	3
87102 CARPENTERS	74	0.19	93	19	25.68	10	29
87202 ELECTRICIANS	46	0.12	58	12	26.09	5	17
87402 PAINTERS & PAPERHANGERS - CONST. & MAINTENANCE	44	0.11	55	11	25.00	5	16
87502 PLUMBERS, PIPEFITTERS, & STEAMFITTERS	39	0.10	49	10	25.64	5	15
87999 ALL OTHER CONST./EXTRACT. WKRS. EXC. HELPERS	7	0.02	9	2	28.57	0	2
89999 ALL OTHER PRECISION WORKERS	30	0.08	37	7	23.33	5	12
92726 LAUNDRY & DRYCLEANING MACH. OPERS., EXC. PRESSING	57	0.15	69	12	21.05	15	27
92728 PRESSING MACHINE OPERS. -TEXTILE, GARMENTS, & REL.	13	0.03	16	3	23.08	5	8
92900 ALL OTHER MACH. SETTERS & OPERS. EXC. METAL/PLASTIC	3	0.01	4	1	33.33	0	1
92926 BOILER OPERATORS & TENDERS, LOW PRESSURE	16	0.04	20	4	25.00	0	4
92998 ALL OTHER MACHINE OPERATORS & TENDERS	10	0.03	12	2	20.00	0	2
93999 ALL OTHER HAND WORKERS	45	0.12	55	10	22.22	5	15
95032 STATIONARY ENGINEERS	71	0.18	85	14	19.72	10	24
95099 ALL OTHER PLANT & SYSTEM OPERATORS	6	0.02	7	1	16.67	0	1
97105 TRUCK DRIVERS, LIGHT-INCL. DELIVERY & ROUTE WKRS.	60	0.15	76	16	26.67	5	21
97199 ALL OTHER MOTOR VEHICLE OPERATORS	13	0.03	16	3	23.08	5	8
97808 PARKING LOT ATTENDANTS	13	0.03	16	3	23.08	0	3
97989 ALL OTHER TRANSPORT./MATL. MOVING EQUIP. OPERS.	5	0.01	6	1	20.00	0	1
TOTAL OF ALL OCCUPATIONS	**39,074**	**100.00**	**48,380**	**9,306**	**23.82**	**6,320**	**15,626**

ESTIMATED EMPLOYMENT AND JOB OPENINGS IN HOSPITALS
-MOHAVE COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
10000 MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	**45**	**5.15**	**59**	**14**	**31.11**	**10**	**24**
15008 MEDICINE & HEALTH SERVICES MANAGERS	19	2.18	24	5	26.32	5	10
19005 GENERAL MANAGERS & TOP EXECUTIVES	14	1.60	18	4	28.57	5	9
19999 ALL OTHER MANAGERS & ADMINISTRATORS	12	1.37	17	5	41.67	0	5
20000 PROFESSIONAL, PARAPROFESSIONAL, & TECH. OCCUPATIONS	**421**	**48.22**	**542**	**121**	**28.74**	**50**	**171**
21999 ALL OTHER MANAGEMENT SUPPORT WORKERS	4	0.46	5	1	25.00	0	1
22199 ALL OTHER ENGINEERS	1	0.11	1	0	0.00	0	0
24599 ALL OTHER PHYSICAL & LIFE SCIENCE TECHS.	1	0.11	1	0	0.00	0	0
25199 ALL OTHER COMPUTER SCIENTISTS	*	*	*	*	*	0	1
31299 ALL OTHER POSTSECONDARY TEACHERS	1	0.11	1	0	0.00	0	0
32199 ALL OTHER HEALTH DIAGNOSING/TREATING PRACTITIONERS	3	0.34	4	1	33.33	0	1
32399 ALL OTHER THERAPISTS	5	0.57	7	2	40.00	0	2
32502 REGISTERED NURSES	214	24.51	277	63	29.44	35	98
32505 LICENSED PRACTICAL NURSES	46	5.27	57	11	23.91	10	21
32508 EMERGENCY MEDICAL TECHNICIANS	16	1.83	20	4	25.00	0	4
32517 PHARMACISTS	6	0.69	8	2	33.33	0	2
32902 MEDICAL & CLINICAL LABORATORY TECHNOLOGISTS	18	2.06	21	3	16.67	0	3
32905 MEDICAL & CLINICAL LABORATORY TECHNICIANS	8	0.92	10	2	25.00	0	2
32917 RADIOLOGIC TECHNOLOGISTS	*	*	*	*	*	0	3
32921 RADIOLOGIC TECHNICIANS	6	0.69	9	3	50.00	0	3
32926 ELECTROCARDIOGRAPH TECHNICIANS & TECHNOLOGISTS	8	0.92	10	2	25.00	0	2
32928 SURGICAL TECHNICIANS	14	1.60	19	5	35.71	0	5
32999 ALL OTHER HEALTH PARA/PROFESSIONALS & TECHNS.	42	4.81	55	13	30.95	5	18
39999 ALL OTHER PROFESSIONAL, PARAPROFESSIONAL, & TECHN.	18	2.06	23	5	27.78	0	5
40000 SALES & RELATED OCCUPATIONS	**1**	**0.11**	**1**	**0**	**0.00**	**0**	**0**
50000 CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	**169**	**19.36**	**211**	**42**	**24.85**	**10**	**52**
51002 FIRST LINE SUPERVISORS-CLERICAL & ADMIN. SUPPORT	6	0.69	8	2	33.33	0	2

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ESTIMATED EMPLOYMENT AND JOB OPENINGS IN HOSPITALS
-MOHAVE COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
53123 ADJUSTMENT CLERKS	7	0.80	9	2	28.57	0	2
55105 MEDICAL SECRETARIES	10	1.15	13	3	30.00	0	3
55305 RECEPTIONISTS & INFORMATION CLERKS	8	0.92	10	2	25.00	0	2
55308 TYPISTS	13	1.49	15	2	15.38	0	2
55332 INTERVIEWING CLERKS, EXC. PERSONNEL & WELFARE	10	1.15	13	3	30.00	0	3
55344 BILLING, COST & RATE CLERKS	10	1.15	11	1	10.00	0	1
55347 GENERAL OFFICE CLERKS	56	6.41	70	14	25.00	10	24
56017 DATA ENTRY KEYERS. EXC. COMPOSING	6	0.69	6	0	0.00	0	0
56099 ALL OTHER OFFICE MACHINE OPERATORS	2	0.23	3	1	50.00	0	1
57102 SWITCHBOARD OPERATORS	*	*	*	*	*	0	4
58028 TRAFFIC, SHIPPING, & RECEIVING CLERKS	*	*	*	*	*	0	2
58099 ALL OTHER MATERIAL RECORDING/SCHEDULING/DISTRIB.	4	0.46	5	1	25.00	0	1
59999 ALL OTHER CLERICAL & ADMINISTRATIVE SUPPORT WKRS.	14	1.60	19	5	35.71	0	5
60000 SERVICE OCCUPATIONS	**212**	**24.28**	**263**	**51**	**24.06**	**35**	**86**
61008 HOUSEKEEPERS	*	*	*	*	*	5	7
61099 ALL OTHER SERVICE SUPERVISORS & MGR./SUPERVISORS	3	0.34	4	1	33.33	0	1
63099 ALL OTHER PROTECTIVE SERVICE WORKERS	1	0.11	1	0	0.00	0	0
65011 FOOD SERVERS, OUTSIDE	*	*	*	*	*	0	2
65028 COOKS, INSTITUTION OR CAFETERIA	14	1.60	16	2	14.29	0	2
65038 FOOD PREPARATION WORKERS	33	3.78	39	6	18.18	5	11
65099 ALL OTHER FOOD SERVICE WORKERS	1	0.11	1	0	0.00	0	0
66008 NURSING AIDES, ORDERLIES, & ATTENDANTS	74	8.48	93	19	25.68	15	34
66017 PHYSICAL & CORRECTIVE THERAPY ASSISTANTS & AIDES	7	0.80	9	2	28.57	0	2
66026 PHARMACY ASSISTANTS	11	1.26	14	3	27.27	0	3
66099 ALL OTHER HEALTH SERVICE WORKERS	20	2.29	26	6	30.00	5	11
67002 MAIDS & HOUSEKEEPING CLEANERS	27	3.09	33	6	22.22	5	11
67005 JANITORS & CLEANERS, EXC. MAIDS & HOUSEKEEPING	6	0.69	8	2	33.33	0	2

*SUPPRESSED DATA THAT IS CONFIDENTIAL.

ESTIMATED EMPLOYMENT AND JOB OPENINGS IN HOSPITALS
-MOHAVE COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
80000 PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	**25**	**2.86**	**31**	**6**	**24.00**	**0**	**6**
81099 ALL OTHER FIRST LINE MGRS./SUPRS.-MAIN./PROD./CONST	2	0.23	3	1	50.00	0	1
85132 MAINTENANCE REPAIRERS, GENERAL UTILITY	11	1.26	14	3	27.27	0	3
92726 LAUNDRY & DRYCLEANING MACH. OPERS., EXC. PRESSING	9	1.03	11	2	22.22	0	2
92900 ALL OTHER MACH. SETTERS & OPERS. EXC. METAL/PLASTIC	1	0.11	1	0	0.00	0	0
97199 ALL OTHER MOTOR VEHICLE OPERATORS	1	0.11	1	0	0.00	0	0
97999 ALL OTHER MATERIAL MOVING EQUIPMENT OPERATORS	1	0.11	1	0	0.00	0	0
TOTAL OF ALL ALL OCCUPATIONS	**873**	**100.00**	**1,107**	**234**	**26.80**	**105**	**339**

ESTIMATED EMPLOYMENT AND JOB OPENINGS IN HOSPITALS
-NAVAJO COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
10000 MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	**27**	**4.46**	**35**	**8**	**29.63**	**5**	**13**
15008 MEDICINE & HEALTH SERVICES MANAGERS	17	2.81	22	5	29.41	5	10
19999 ALL OTHER MANAGERS & ADMINISTRATORS	10	1.65	13	3	30.00	0	3
20000 PROFESSIONAL, PARAPROFESSIONAL, & TECH. OCCUPATIONS	**283**	**46.70**	**364**	**81**	**28.62**	**40**	**121**
21199 ALL OTHER FINANCIAL SPECIALISTS	3	0.50	4	1	33.33	0	1
21999 ALL OTHER MANAGEMENT SUPPORT WORKERS	5	0.83	6	1	20.00	0	1
31299 ALL OTHER POSTSECONDARY TEACHERS	*	*	*	*	*	0	0
32102 PHYSICIANS & SURGEONS	10	1.65	13	3	30.00	5	8
32502 REGISTERED NURSES	137	22.61	180	43	31.39	25	68
32505 LICENSED PRACTICAL NURSES	39	6.44	49	10	25.64	10	20
32517 PHARMACISTS	*	*	*	*	*	0	1
32521 DIETITIANS & NUTRITIONISTS	5	0.83	6	1	20.00	0	1
32902 MEDICAL & CLINICAL LABORATORY TECHNOLOGISTS	14	2.31	16	2	14.29	0	2
32905 MEDICAL & CLINICAL LABORATORY TECHNICIANS	13	2.15	15	2	15.38	0	2
32911 MEDICAL RECORDS TECHNICIANS & TECHNOLOGISTS	11	1.82	15	4	36.36	0	4
32917 RADIOLOGIC TECHNOLOGISTS	11	1.82	15	4	36.36	0	4
32928 SURGICAL TECHNICIANS	6	0.99	9	3	50.00	0	3
32999 ALL OTHER HEALTH PARA/PROFESSIONALS & TECHNS.	11	1.82	14	3	27.27	0	3
39999 ALL OTHER PROFESSIONAL, PARAPROFESSIONAL, & TECHN.	12	1.98	15	3	25.00	0	3
50000 CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	**125**	**20.63**	**154**	**29**	**23.20**	**15**	**-44**
55199 ALL OTHER SECRETARIES	10	1.65	13	3	30.00	0	3
55308 TYPISTS	11	1.82	13	2	18.18	0	2
55321 FILE CLERKS	5	0.83	6	1	20.00	0	1
55328 STATISTICAL CLERKS	23	3.80	27	4	17.39	5	9
55332 INTERVIEWING CLERKS, EXC. PERSONNEL & WELFARE	*	*	*	*	*	5	8
55338 BOOKKEEPING, ACCOUNTING, & AUDITING CLERKS	7	1.16	9	2	28.57	0	2
55347 GENERAL OFFICE CLERKS	*	*	*	*	*	5	9

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ESTIMATED EMPLOYMENT AND JOB OPENINGS IN HOSPITALS
-NAVAJO COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
56099 ALL OTHER OFFICE MACHINE OPERATORS	1	0.17	1	0	0.00	0	0
57199 ALL OTHER COMMUNICATIONS EQUIPMENT OPERATORS	4	0.66	5	1	25.00	0	1
58023 STOCK CLERKS-STOCKROOM, WAREHOUSE OR STORAGE YARD	12	1.98	15	3	25.00	0	3
59999 ALL OTHER CLERICAL & ADMINISTRATIVE SUPPORT WKRS.	25	4.13	31	6	24.00	0	6
60000 SERVICE OCCUPATIONS	**139**	**22.94**	**176**	**37**	**26.62**	**20**	**57**
61099 ALL OTHER SERVICE SUPERVISORS & MGR./SUPERVISORS	*	*	*	*	*	0	2
65011 FOOD SERVERS, OUTSIDE	*	*	*	*	*	0	1
65028 COOKS, INSTITUTION OR CAFETERIA	16	2.64	19	3	18.75	0	3
65038 FOOD PREPARATION WORKERS	8	1.32	10	2	25.00	0	2
66002 DENTAL ASSISTANTS	11	1.82	14	3	27.27	0	3
66008 NURSING AIDES, ORDERLIES, & ATTENDANTS	48	7.92	62	14	29.17	10	24
66099 ALL OTHER HEALTH SERVICE WORKERS	5	0.83	6	1	20.00	0	1
67002 MAIDS & HOUSEKEEPING CLEANERS	18	2.97	23	5	27.78	5	10
67005 JANITORS & CLEANERS, EXC. MAIDS & HOUSEKEEPING	22	3.63	28	6	27.27	5	11
70000 AGRICULTURE, FORESTRY, & FISHERY OCCUPATIONS	**1**	**0.17**	**1**	**0**	**0.00**	**0**	**0**
80000 PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	**31**	**5.12**	**39**	**8**	**25.81**	**0**	**8**
81099 ALL OTHER FIRST LINE MGRS./SUPRS.-MAIN./PROD./CONST	8	1.32	10	2	25.00	0	2
85119 ALL OTHER MACHINERY MAINTENANCE MECHANICS	4	0.66	5	1	25.00	0	1
85132 MAINTENANCE REPAIRERS, GENERAL UTILITY	6	0.99	8	2	33.33	0	2
85999 ALL OTHER MECHANICS, INSTALLERS, & REPAIRERS	2	0.33	2	0	0.00	0	0
92900 ALL OTHER MACH. SETTERS & OPERS. EXC. METAL/PLASTIC	1	0.17	1	0	0.00	0	0
97105 TRUCK DRIVERS, LIGHT-INCL. DELIVERY & ROUTE WKRS.	7	1.16	9	2	28.57	0	2
97199 ALL OTHER MOTOR VEHICLE OPERATORS	3	0.50	4	1	33.33	0	1
TOTAL OF ALL OCCUPATIONS	**606**	**100.00**	**769**	**163**	**26.90**	**80**	**243**

*SUPPRESSED DATA THAT IS CONFIDENTIAL.

ESTIMATED EMPLOYMENT AND JOB OPENINGS IN HOSPITALS
-PIMA COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
10000 MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	**610**	**4.54**	**735**	**125**	**20.49**	**105**	**230**
13002 FINANCIAL MANAGERS	45	0.34	54	9	20.00	5	14
13005 PERSONNEL, TRAINING, & LABOR RELATIONS MANAGERS	32	0.24	40	8	25.00	5	13
13008 PURCHASING MANAGERS	12	0.09	14	2	16.67	0	2
13011 MARKETING, ADVERTISING, & PUBLIC RELATIONS MGRS.	28	0.21	35	7	25.00	5	12
13014 ADMINISTRATIVE SERVICES MANAGERS	18	0.13	23	5	27.78	5	10
13017 ENGINEERING, MATH, & NATURAL SCIENCES MANAGERS	33	0.25	42	9	27.27	5	14
15008 MEDICINE & HEALTH SERVICES MANAGERS	335	2.50	401	66	19.70	60	126
15026 FOOD SERVICE & LODGING MANAGERS	22	0.16	25	3	13.64	5	8
19005 GENERAL MANAGERS & TOP EXECUTIVES	35	0.26	41	6	17.14	5	11
19999 ALL OTHER MANAGERS & ADMINISTRATORS	50	0.37	60	10	20.00	10	20
20000 PROFESSIONAL, PARAPROFESSIONAL, & TECH. OCCUPATIONS	**7,521**	**56.03**	**9,187**	**1,666**	**22.15**	**1,150**	**2,816**
21114 ACCOUNTANTS & AUDITORS	26	0.19	31	5	19.23	5	10
21117 BUDGET ANALYSTS	6	0.04	7	1	16.67	0	1
21199 ALL OTHER FINANCIAL SPECIALISTS	17	0.13	20	3	17.65	5	8
21308 PURCHASING AGENTS, EXC. WHOLESALE, RETAIL, & FARM	26	0.19	32	6	23.08	5	11
21511 PERSONNEL, TRAINING, & LABOR REL. SPECIALISTS	47	0.35	59	12	25.53	5	17
21911 COMPLIANCE & ENFORCEMENT INSPECTORS, EXC. CONST.	13	0.10	16	3	23.08	5	8
21999 ALL OTHER MANAGEMENT SUPPORT WORKERS	97	0.72	116	19	19.59	20	39
22199 ALL OTHER ENGINEERS	16	0.12	19	3	18.75	0	3
22502 CIVIL ENGINEERING TECHNICIANS & TECHNOLOGISTS	7	0.05	8	1	14.29	0	1
22599 ALL OTHER ENGINEERING & RELATED TECHS.	5	0.04	6	1	20.00	0	1
24308 BIOLOGICAL SCIENTISTS	7	0.05	8	1	14.29	0	1
24311 MEDICAL SCIENTISTS	11	0.08	13	2	18.18	5	7
24599 ALL OTHER PHYSICAL & LIFE SCIENCE TECHS.	3	0.02	3	0	0.00	0	0
25102 SYSTEMS ANALYSTS, ELECTRONIC DATA PROCESSING	43	0.32	58	15	34.88	5	20
25105 COMPUTER PROGRAMMERS	*	*	*	*	*	0	3
25108 COMPUTER PROGRAMMER AIDES	*	*	*	*	*	0	2
25199 ALL OTHER COMPUTER SCIENTISTS	3	0.02	4	1	33.33	0	1

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ESTIMATED EMPLOYMENT AND JOB OPENINGS IN HOSPITALS
-PIMA COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
27108 PSYCHOLOGISTS	14	0.10	17	3	21.43	0	3
27199 ALL OTHER SOCIAL SCIENTISTS	5	0.04	6	1	20.00	0	1
27302 SOCIAL WORKERS, MEDICAL & PSYCHIATRIC	242	1.80	291	49	20.25	25	74
27305 SOCIAL WORKERS, EXC. MEDICAL & PSYCHIATRIC	30	0.22	36	6	20.00	5	11
27502 CLERGY	*	*	*	*	*	5	9
31114 NURSING INSTRUCTORS	25	0.19	30	5	20.00	5	10
31314 TEACHERS & INSTRUCTORS, VOCATIONAL ED. & TRAINING	*	*	*	*	*	5	8
31399 ALL OTHER TEACHERS & INSTRUCTORS	22	0.16	26	4	18.18	5	9
31502 LIBRARIANS, PROFESSIONAL	15	0.11	18	3	20.00	5	8
32102 PHYSICIANS & SURGEONS	36	0.27	42	6	16.67	10	16
32105 DENTISTS	7	0.05	8	1	14.29	0	1
32199 ALL OTHER HEALTH DIAGNOSING/TREATING PRACTITIONERS	7	0.05	9	2	28.57	0	2
32302 RESPIRATORY THERAPISTS	173	1.29	205	32	18.50	10	42
32305 OCCUPATIONAL THERAPISTS	65	0.48	83	18	27.69	5	23
32308 PHYSICAL THERAPISTS	141	1.05	171	30	21.28	20	50
32314 SPEECH PATHOLOGISTS & AUDIOLOGISTS	35	0.26	42	7	20.00	0	7
32317 RECREATIONAL THERAPISTS	22	0.16	26	4	18.18	0	4
32399 ALL OTHER THERAPISTS	16	0.12	19	3	18.75	0	3
32502 REGISTERED NURSES	3,884	28.94	4,782	898	23.12	650	1,548
32505 LICENSED PRACTICAL NURSES	448	3.34	540	92	20.54	110	202
32508 EMERGENCY MEDICAL TECHNICIANS	*	*	*	*	*	5	12
32511 PHYSICIAN'S ASSISTANTS	35	0.26	40	5	14.29	0	5
32517 PHARMACISTS	186	1.39	235	49	26.34	45	94
32521 DIETITIANS & NUTRITIONISTS	61	0.45	73	12	19.67	10	22
32523 DIETETIC TECHNICIANS	69	0.51	85	16	23.19	15	31
32902 MEDICAL & CLINICAL LABORATORY TECHNOLOGISTS	330	2.46	372	42	12.73	20	62
32905 MEDICAL & CLINICAL LABORATORY TECHNICIANS	159	1.18	179	20	12.58	10	30
32908 DENTAL HYGIENISTS	5	0.04	6	1	20.00	0	1
32911 MEDICAL RECORDS TECHNICIANS & TECHNOLOGISTS	96	0.72	123	27	28.13	10	37
32914 NUCLEAR MEDICINE TECHNOLOGISTS	27	0.20	32	5	18.52	0	5

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ESTIMATED EMPLOYMENT AND JOB OPENINGS IN HOSPITALS
-PIMA COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPARATIONS	TOTAL OPENINGS
32917 RADIOLOGIC TECHNOLOGISTS	123	0.92	161	38	30.89	10	48
32921 RADIOLOGIC TECHNICIANS	119	0.89	155	36	30.25	10	46
32923 ELECTROENCEPHALOGRAPH TECHNICIANS & TECHNOLOGISTS	19	0.14	24	5	26.32	0	5
32925 CARDIOLOGY TECHNOLOGISTS	51	0.38	61	10	19.61	5	15
32926 ELECTROCARDIOGRAPH TECHNICIANS & TECHNOLOGISTS	36	0.27	41	5	13.89	5	10
32928 SURGICAL TECHNICIANS	117	0.87	152	35	29.91	10	45
32931 PSYCHIATRIC TECHNICIANS	*	*	*	*	*	5	17
32999 ALL OTHER HEALTH PARA/PROFESSIONALS & TECHNS.	272	2.03	334	62	22.79	55	117
34008 PUBLIC RELATIONS SPECIALISTS & PUBLICITY WRITERS	17	0.13	20	3	17.65	5	8
39999 ALL OTHER PROFESSIONAL, PARAPROFESSIONAL, & TECHN.	136	1.01	163	27	19.85	15	42
40000 SALES & RELATED OCCUPATIONS	**41**	**0.31**	**51**	**10**	**24.39**	**5**	**15**
49023 CASHIERS	33	0.25	41	8	24.24	5	13
49999 ALL OTHER SALES & RELATED WORKERS	8	0.06	10	2	25.00	0	2
50000 CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	**2,268**	**16.90**	**2,669**	**401**	**17.68**	**340**	**741**
51002 FIRST LINE SUPERVISORS-CLERICAL & ADMIN. SUPPORT	97	0.72	114	17	17.53	15	32
53123 ADJUSTMENT CLERKS	15	0.11	18	3	20.00	0	3
55105 MEDICAL SECRETARIES	154	1.15	189	35	22.73	20	55
55199 ALL OTHER SECRETARIES	93	0.69	109	16	17.20	10	26
55305 RECEPTIONISTS & INFORMATION CLERKS	20	0.15	25	5	25.00	5	10
55308 TYPISTS	157	1.17	167	10	6.37	15	25
55311 TYPISTS, WORD PROCESSING EQUIPMENT	6	0.04	6	0	0.00	0	0
55314 PERSONNEL CLERKS, EXC. PAYROLL & TIMEKEEPING	35	0.26	42	7	20.00	5	12
55321 FILE CLERKS	36	0.27	41	5	13.89	5	10
55323 ORDER CLERKS-MATERIALS, MERCHANDISE, & SERVICE	*	*	*	*	*	5	8
55328 STATISTICAL CLERKS	61	0.45	67	6	9.84	5	11
55332 INTERVIEWING CLERKS, EXC. PERSONNEL & WELFARE	201	1.50	238	37	18.41	45	82
55338 BOOKKEEPING, ACCOUNTING, & AUDITING CLERKS	79	0.59	89	10	12.66	15	25
55341 PAYROLL & TIMEKEEPING CLERKS	16	0.12	18	2	12.50	0	2

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ESTIMATED EMPLOYMENT AND JOB OPENINGS IN HOSPITALS
-PIMA COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
55344 BILLING, COST & RATE CLERKS	72	0.54	81	9	12.50	5	14
55347 GENERAL OFFICE CLERKS	792	5.90	956	164	20.71	140	304
56011 COMPUTER OPERATORS, EXC. PERIPHERAL EQUIPMENT	40	0.30	49	9	22.50	5	14
56017 DATA ENTRY KEYERS. EXC. COMPOSING	51	0.38	55	4	7.84	5	9
56099 ALL OTHER OFFICE MACHINE OPERATORS	4	0.03	5	1	25.00	0	1
57102 SWITCHBOARD OPERATORS	93	0.69	111	18	19.35	15	33
58002 DISPATCHERS-POLICE, FIRE, & AMBULANCE	*	*	*	*	*	0	2
58023 STOCK CLERKS-STOCKROOM, WAREHOUSE OR STORAGE YARD	104	0.77	122	18	17.31	10	28
58028 TRAFFIC, SHIPPING, & RECEIVING CLERKS	10	0.07	12	2	20.00	0	2
58099 ALL OTHER MATERIAL RECORDING/SCHEDULING/DISTRIB.	15	0.11	18	3	20.00	5	8
59999 ALL OTHER CLERICAL & ADMINISTRATIVE SUPPORT WKRS.	79	0.59	94	15	18.99	10	25
60000 SERVICE OCCUPATIONS	**2,532**	**18.86**	**3,011**	**479**	**18.92**	**505**	**984**
61008 HOUSEKEEPERS	42	0.31	52	10	23.81	15	25
61099 ALL OTHER SERVICE SUPERVISORS & MGR./SUPERVISORS	78	0.58	93	15	19.23	15	30
63047 GUARDS & WATCH GUARDS	45	0.34	50	5	11.11	20	25
65011 FOOD SERVERS, OUTSIDE	125	0.93	146	21	16.80	10	31
65014 DINING ROOM/CAFETERIA ATTENDTS. & BARTDR. HELPERS	*	*	*	*	*	5	15
65017 COUNTER ATTENDANTS-LUNCHROOM, COFFEE SHOP, & CAFE.	*	*	*	*	*	0	2
65021 BAKERS, BREAD & PASTRY	8	0.06	10	2	25.00	0	2
65028 COOKS, INSTITUTION OR CAFETERIA	86	0.64	97	11	12.79	10	21
65035 COOKS, SHORT ORDER	*	*	*	*	*	0	1
65038 FOOD PREPARATION WORKERS	147	1.10	165	18	12.24	25	43
65099 ALL OTHER FOOD SERVICE WORKERS	23	0.17	26	3	13.04	5	8
66002 DENTAL ASSISTANTS	29	0.22	35	6	20.69	0	6
66005 MEDICAL ASSISTANTS	6	0.04	7	1	16.67	0	1
66008 NURSING AIDES, ORDERLIES, & ATTENDANTS	855	6.37	1,024	169	19.77	170	339
66011 HOME HEALTH AIDES	*	*	*	*	*	0	12
66014 PSYCHIATRIC AIDES	130	0.97	158	28	21.54	25	53
66017 PHYSICAL & CORRECTIVE THERAPY ASSISTANTS & AIDES	24	0.18	29	5	20.83	0	5

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ESTIMATED EMPLOYMENT AND JOB OPENINGS IN HOSPITALS
-PIMA COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
66021 OCCUPATIONAL THERAPY ASSISTANTS & AIDES	13	0.10	16	3	23.08	0	3
66026 PHARMACY ASSISTANTS	121	0.90	151	30	24.79	15	45
66099 ALL OTHER HEALTH SERVICE WORKERS	124	0.92	155	31	25.00	35	66
67002 MAIDS & HOUSEKEEPING CLEANERS	373	2.78	437	64	17.16	95	159
67005 JANITORS & CLEANERS, EXC. MAIDS & HOUSEKEEPING	174	1.30	204	30	17.24	55	85
67099 ALL OTHER CLEANING/BLDG. SERVICE EXC. PRIV. HOUSE.	10	0.07	12	2	20.00	5	7
69999 ALL OTHER SERVICE WORKERS	1	0.01	1	0	0.00	0	0
70000 AGRICULTURE, FORESTRY, & FISHERY OCCUPATIONS	**24**	**0.18**	**30**	**6**	**25.00**	**5**	**11**
79014 GARDENERS & GROUNDSKEEPERS, EXC. FARM	24	0.18	30	6	25.00	5	11
80000 PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	**426**	**3.17**	**517**	**91**	**21.36**	**55**	**146**
81002 FIRST LINE MGRS./SUPERS.- MECHS./INSTALLERS/REPRS.	28	0.21	35	7	25.00	5	12
81099 ALL OTHER FIRST LINE MGRS./SUPRS.-MAIN./PROD./CONST	10	0.07	12	2	20.00	0	2
85110 MACHINERY MAINTENANCE MECHANICS	16	0.12	20	4	25.00	0	4
85132 MAINTENANCE REPAIRERS, GENERAL UTILITY	51	0.38	62	11	21.57	10	21
85902 HEATING, AIR COND., & REFRIG. MECHS. & INSTALLERS	22	0.16	26	4	18.18	0	4
85908 ELECTROMEDICAL & BIOMEDICAL EQUIPMENT REPAIRERS	54	0.40	67	13	24.07	10	23
85956 MENDERS - GARMENTS, LINENS, & RELATED	*	*	*	*	*	0	3
85999 ALL OTHER MECHANICS, INSTALLERS, & REPAIRERS	7	0.05	8	1	14.29	0	1
87102 CARPENTERS	29	0.22	36	7	24.14	5	12
87202 ELECTRICIANS	24	0.18	29	5	20.83	0	5
87402 PAINTERS & PAPERHANGERS - CONST. & MAINTENANCE	15	0.11	18	3	20.00	0	3
87502 PLUMBERS, PIPEFITTERS, & STEAMFITTERS	13	0.10	16	3	23.08	0	3
87999 ALL OTHER CONST./EXTRACT. WKRS. EXC. HELPERS	6	0.04	7	1	16.67	0	1
89999 ALL OTHER PRECISION WORKERS	2	0.01	2	0	0.00	0	0
92726 LAUNDRY & DRYCLEANING MACH. OPERS., EXC. PRESSING	36	0.27	43	7	19.44	10	17
92926 BOILER OPERATORS & TENDERS, LOW PRESSURE	7	0.05	8	1	14.29	0	1
93999 ALL OTHER HAND WORKERS	1	0.01	1	0	0.00	0	0

*SUPPRESSED DATA THAT IS CONFIDENTIAL.

ESTIMATED EMPLOYMENT AND JOB OPENINGS IN HOSPITALS
-PIMA COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
95032 STATIONARY ENGINEERS	36	0.27	42	6	16.67	5	11
97105 TRUCK DRIVERS, LIGHT-INCL. DELIVERY & ROUTE WKRS.	8	0.06	10	2	25.00	0	2
97199 ALL OTHER MOTOR VEHICLE OPERATORS	26	0.19	32	6	23.08	5	11
97899 ALL OTHER TRANSPORTATION & RELATED WORKERS	*	*	*	*	*	0	0
97989 ALL OTHER TRANSPORT./MATL. MOVING EQUIP. OPERS.	17	0.13	22	5	29.41	5	10
TOTAL OF ALL OCCUPATIONS	**13,422**	**100.00**	**16,200**	**2,778**	**20.70**	**2,165**	**4,943**

*SUPPRESSED DATA THAT IS CONFIDENTIAL.

ESTIMATED EMPLOYMENT AND JOB OPENINGS IN HOSPITALS
-PINAL COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
10000 MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	**50**	**5.94**	**62**	**12**	**24.00**	**5**	**17**
15008 MEDICINE & HEALTH SERVICES MANAGERS	31	3.68	39	8	25.81	5	13
19005 GENERAL MANAGERS & TOP EXECUTIVES	5	0.59	6	1	20.00	0	1
19999 ALL OTHER MANAGERS & ADMINISTRATORS	14	1.66	17	3	21.43	0	3
20000 PROFESSIONAL, PARAPROFESSIONAL, & TECH. OCCUPATIONS	**337**	**40.02**	**437**	**100**	**29.67**	**45**	**145**
21999 ALL OTHER MANAGEMENT SUPPORT WORKERS	5	0.59	6	1	20.00	0	1
22599 ALL OTHER ENGINEERING & RELATED TECHS.	2	0.24	3	1	50.00	0	1
31299 ALL OTHER POSTSECONDARY TEACHERS	1	0.12	1	0	0.00	0	0
32199 ALL OTHER HEALTH DIAGNOSING/TREATING PRACTITIONERS	4	0.48	5	1	25.00	0	1
32302 RESPIRATORY THERAPISTS	18	2.14	23	5	27.78	0	5
32399 ALL OTHER THERAPISTS	1	0.12	1	0	0.00	0	0
32502 REGISTERED NURSES	180	21.38	236	56	31.11	30	86
32505 LICENSED PRACTICAL NURSES	57	6.77	74	17	29.82	15	32
32517 PHARMACISTS	5	0.59	6	1	20.00	0	1
32902 MEDICAL & CLINICAL LABORATORY TECHNOLOGISTS	20	2.38	24	4	20.00	0	4
32911 MEDICAL RECORDS TECHNICIANS & TECHNOLOGISTS	7	0.83	10	3	42.86	0	3
32917 RADIOLOGIC TECHNOLOGISTS	11	1.31	15	4	36.36	0	4
32999 ALL OTHER HEALTH PARA/PROFESSIONALS & TECHNS.	23	2.73	30	7	30.43	0	7
39999 ALL OTHER PROFESSIONAL, PARAPROFESSIONAL, & TECHN.	3	0.36	3	0	0.00	0	0
40000 SALES & RELATED OCCUPATIONS	**3**	**0.36**	**4**	**1**	**33.33**	**0**	**1**
50000 CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	**155**	**18.41**	**188**	**33**	**21.29**	**10**	**43**
51002 FIRST LINE SUPERVISORS-CLERICAL & ADMIN. SUPPORT	14	1.66	18	4	28.57	0	4
55199 ALL OTHER SECRETARIES	8	0.95	10	2	25.00	0	2
55308 TYPISTS	10	1.19	11	1	10.00	0	1
55311 TYPISTS, WORD PROCESSING EQUIPMENT	5	0.59	5	0	0.00	0	0
55321 FILE CLERKS	7	0.83	9	2	28.57	0	2
55328 STATISTICAL CLERKS	8	0.95	9	1	12.50	0	1

*SUPPRESSED DATA THAT IS CONFIDENTIAL.

ESTIMATED EMPLOYMENT AND JOB OPENINGS IN HOSPITALS
-PINAL COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
55332 INTERVIEWING CLERKS, EXC. PERSONNEL & WELFARE	8	0.95	10	2	25.00	0	2
55338 BOOKKEEPING, ACCOUNTING, & AUDITING CLERKS	13	1.54	15	2	15.38	5	7
55344 BILLING, COST & RATE CLERKS	10	1.19	11	1	10.00	0	1
55347 GENERAL OFFICE CLERKS	17	2.02	22	5	29.41	5	10
56017 DATA ENTRY KEYERS, EXC. COMPOSING	5	0.59	5	0	0.00	0	0
56099 ALL OTHER OFFICE MACHINE OPERATORS	5	0.59	7	2	40.00	0	2
57102 SWITCHBOARD OPERATORS	10	1.19	13	3	30.00	0	3
58023 STOCK CLERKS-STOCKROOM, WAREHOUSE OR STORAGE YARD	9	1.07	11	2	22.22	0	2
58099 ALL OTHER MATERIAL RECORDING/SCHEDULING/DISTRIB.	1	0.12	1	0	0.00	0	0
59999 ALL OTHER CLERICAL & ADMINISTRATIVE SUPPORT WKRS.	25	2.97	31	6	24.00	0	6
60000 SERVICE OCCUPATIONS	**265**	**31.47**	**336**	**71**	**26.79**	**50**	**121**
61099 ALL OTHER SERVICE SUPERVISORS & MGR./SUPERVISORS	5	0.59	7	2	40.00	0	2
63047 GUARDS & WATCH GUARDS	5	0.59	6	1	20.00	0 1	
65011 FOOD SERVERS, OUTSIDE	15	1.78	19	4	26.67	0	4
65028 COOKS, INSTITUTION OR CAFETERIA	13	1.54	15	2	15.38	0	2
65038 FOOD PREPARATION WORKERS	13	1.54	15	2	15.38	0	2
65099 ALL OTHER FOOD SERVICE WORKERS	2	0.24	3	1	50.00	0	1
66002 DENTAL ASSISTANTS	7	0.83	9	2	28.57	0	2
66008 NURSING AIDES, ORDERLIES, & ATTENDANTS	121	14.37	155	34	28.10	25	59
66026 PHARMACY ASSISTANTS	10	1.19	13	3	30.00	0	3
66099 ALL OTHER HEALTH SERVICE WORKERS	16	1.90	20	4	25.00	5	9
67002 MAIDS & HOUSEKEEPING CLEANERS	48	5.70	61	13	27.08	15	28
67005 JANITORS & CLEANERS, EXC. MAIDS & HOUSEKEEPING	10	1.19	13	3	30.00	5	8
70000 AGRICULTURE, FORESTRY, & FISHERY OCCUPATIONS	4	0.48	5	1	**25.00**	0	1
80000 PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	28	3.33	36	8	**28.57**	0	8
81099 ALL OTHER FIRST LINE MGRS./SUPRS. MAIN./PROD./CONST	4	0.48	6	2	50.00	0	2
85110 MACHINERY MAINTENANCE MECHANICS	5	0.59	6	1	20.00	0	1

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ESTIMATED EMPLOYMENT AND JOB OPENINGS IN HOSPITALS
-PINAL COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
85132 MAINTENANCE REPAIRERS, GENERAL UTILITY	10	1.19	13	3	30.00	0	3
85999 ALL OTHER MECHANICS, INSTALLERS, & REPAIRERS	2	0.24	2	0	0.00	0	0
87899 ALL OTHER CONSTRUCTION TRADES WORKERS	1	0.12	1	0	0.00	0	0
92900 ALL OTHER MACH. SETTERS & OPERS. EXC. METAL/PLASTIC	2	0.24	3	1	50.00	0	1
95099 ALL OTHER PLANT & SYSTEM OPERATORS	4	0.48	5	1	25.00	0	1
TOTAL OF ALL OCCUPATIONS	842	100.00	1,068	226	26.84	110	336

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ESTIMATED EMPLOYMENT AND JOB OPENINGS IN HOSPITALS
-SANTA CRUZ COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
10000 MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	**10**	**4.55**	**12**	**2**	**20.00**	**0**	**2**
15008 MEDICINE & HEALTH SERVICES MANAGERS	*	*	*	*	*	0	2
19999 ALL OTHER MANAGERS & ADMINISTRATORS	*	*	*	*	*	0	0
20000 PROFESSIONAL, PARAPROFESSIONAL, & TECH. OCCUPATIONS	**94**	**42.73**	**119**	**25**	**26.60**	**10**	**35**
21199 ALL OTHER FINANCIAL SPECIALISTS	2	0.91	2	0	0.00	0	0
22199 ALL OTHER ENGINEERS	2	0.91	3	1	50.00	0	1
27308 SOCIAL SERVICE TECHNICIANS	*	*	*	*	*	0	1
27599 ALL OTHER RELIGIOUS WORKERS	2	0.91	3	1	50.00	0	1
32199 ALL OTHER HEALTH DIAGNOSING/TREATING PRACTITIONERS	4	1.82	5	1	25.00	0	1
32399 ALL OTHER THERAPISTS	8	3.64	10	2	25.00	0	2
32502 REGISTERED NURSES	*	*	*	*	*	5	14
32505 LICENSED PRACTICAL NURSES	*	*	*	*	*	5	9
32902 MEDICAL & CLINICAL LABORATORY TECHNOLOGISTS	*	*	*	*	*	0	1
32917 RADIOLOGIC TECHNOLOGISTS	*	*	*	*	*	0	1
32999 ALL OTHER HEALTH PARA/PROFESSIONALS & TECHNS.	12	5.45	15	3	25.00	0	3
39999 ALL OTHER PROFESSIONAL, PARAPROFESSIONAL, & TECHN.	3	1.36	4	1	33.33	0	1
40000 SALES & RELATED OCCUPATIONS	**1**	**0.45**	**1**	**0**	**0.00**	**0**	**0**
50000 CLERICAL & ADMINISTRATIVE#SUPPORT#OCCUPATIONS	**33**	**15.00**	**43**	**10**	**30.30**	**0**	**10**
55332 INTERVIEWING CLERKS, EXC. PERSONNEL & WELFARE	*	*	*	*	*	0	2
55347 GENERAL OFFICE CLERKS	*	*	*	*	*	0	3
56099 ALL OTHER OFFICE MACHINE OPERATORS	1	0.45	1	0	0.00	0	0
57199 ALL OTHER COMMUNICATIONS EQUIPMENT OPERATORS	2	0.91	3	1	50.00	0	1
58099 ALL OTHER MATERIAL RECORDING/SCHEDULING/DISTRIB.	2	0.91	3	1	50.00	0	1
59999 ALL OTHER CLERICAL & ADMINISTRATIVE SUPPORT WKRS.	11	5.00	14	3	27.27	0	3
60000 SERVICE OCCUPATIONS	**79**	**35.91**	**101**	**22**	**27.85**	**10**	**32**
61099 ALL OTHER SERVICE SUPERVISORS & MGR./SUPERVISORS	1	0.45	1	0	0.00	0	0

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ESTIMATED EMPLOYMENT AND JOB OPENINGS IN HOSPITALS
-SANTA CRUZ COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
63099 ALL OTHER PROTECTIVE SERVICE WORKERS	3	1.36	4	1	33.33	0	1
65038 FOOD PREPARATION WORKERS	*	*	*	*	*	0	2
65099 ALL OTHER FOOD SERVICE WORKERS	6	2.73	9	3	50.00	0	3
66008 NURSING AIDES, ORDERLIES, & ATTENDANTS	*	*	*	*	*	10	21
66099 ALL OTHER HEALTH SERVICE WORKERS	7	3.18	9	2	28.57	0	2
67002 MAIDS & HOUSEKEEPING CLEANERS	*	*	*	*	*	0	2
67099 ALL OTHER CLEANING/BLDG. SERVICE EXC. PRIV. HOUSE.	3	1.36	4	1	33.33	0	1
70000 AGRICULTURE, FORESTRY, & FISHERY OCCUPATIONS	**1**	**0.45**	**1**	**0**	**0.00**	**0**	**0**
80000 PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	**2**	**0.91**	**2**	**0**	**0.00**	**0**	**0**
85999 ALL OTHER MECHANICS, INSTALLERS, & REPAIRERS	1	0.45	1	0	0.00	0	0
95099 ALL OTHER PLANT & SYSTEM OPERATORS	1	0.45	1	0	0.00	0	0
TOTAL OF ALL OCCUPATIONS	**220**	**100.00**	**279**	**59**	**26.82**	**20**	**79**

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ESTIMATED EMPLOYMENT AND JOB OPENINGS IN HOSPITALS
-YAVAPAI COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
10000 MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	**93**	**6.99**	**120**	**27**	**29.03**	**10**	**37**
13002 FINANCIAL MANAGERS	*	*	*	*	*	0	2
13017 ENGINEERING, MATH, & NATURAL SCIENCES MANAGERS	*	*	*	*	*	0	4
15008 MEDICINE & HEALTH SERVICES MANAGERS	*	*	*	*	*	10	23
19005 GENERAL MANAGERS & TOP EXECUTIVES	*	*	*	*	*	0	1
19999 ALL OTHER MANAGERS & ADMINISTRATORS	22	1.65	29	7	31.82	0	7
20000 PROFESSIONAL, PARAPROFESSIONAL, & TECH. OCCUPATIONS	**664**	**49.92**	**855**	**191**	**28.77**	**85**	**276**
21199 ALL OTHER FINANCIAL SPECIALISTS	1	0.08	1	0	0.00	0	0
21511 PERSONNEL, TRAINING, & LABOR REL. SPECIALISTS	6	0.45	8	2	33.33	0	2
21999 ALL OTHER MANAGEMENT SUPPORT WORKERS	8	0.60	10	2	25.00	0	2
22199 ALL OTHER ENGINEERS	1	0.08	1	0	0.00	0	0
22599 ALL OTHER ENGINEERING & RELATED TECHS.	2	0.15	2	0	0.00	0	0
24399 ALL OTHER LIFE SCIENTISTS	2	0.15	3	1	50.00	0	1
25199 ALL OTHER COMPUTER SCIENTISTS	3	0.23	4	1	33.33	0	1
27199 ALL OTHER SOCIAL SCIENTISTS	3	0.23	4	1	33.33	0	1
27302 SOCIAL WORKERS, MEDICAL & PSYCHIATRIC	16	1.20	20	4	25.00	0	4
27308 SOCIAL SERVICE TECHNICIANS	9	0.68	11	2	22.22	0	2
27599 ALL OTHER RELIGIOUS WORKERS	3	0.23	4	1	33.33	0	1
31299 ALL OTHER POSTSECONDARY TEACHERS	2	0.15	3	1	50.00	0	1
32102 PHYSICIANS & SURGEONS	20	1.50	24	4	20.00	5	9
32199 ALL OTHER HEALTH DIAGNOSING/TREATING PRACTITIONERS	3	0.23	4	1	33.33	0	1
32302 RESPIRATORY THERAPISTS	*	*	*	*	*	0	7
32308 PHYSICAL THERAPISTS	*	*	*	*	*	0	2
32399 ALL OTHER THERAPISTS	6	0.45	8	2	33.33	0	2
32502 REGISTERED NURSES	319	23.98	415	96	30.09	55	151
32505 LICENSED PRACTICAL NURSES	58	4.36	74	16	27.59	15	31
32517 PHARMACISTS	16	1.20	22	6	37.50	5	11
32521 DIETITIANS & NUTRITIONISTS	6	0.45	8	2	33.33	0	2
32902 MEDICAL & CLINICAL LABORATORY TECHNOLOGISTS	*	*	*	*	*	0	8

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ESTIMATED EMPLOYMENT AND JOB OPENINGS IN HOSPITALS
-YAVAPAI COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
32905 MEDICAL & CLINICAL LABORATORY TECHNICIANS	28	2.11	33	5	17.86	0	5
32911 MEDICAL RECORDS TECHNICIANS & TECHNOLOGISTS	*	*	*	*	*	0	2
32917 RADIOLOGIC TECHNOLOGISTS	*	*	*	*	*	0	7
32921 RADIOLOGIC TECHNICIANS	*	*	*	*	*	0	5
32928 SURGICAL TECHNICIANS	*	*	*	*	*	0	3
32999 ALL OTHER HEALTH PARA/PROFESSIONALS & TECHNS.	28	2.11	36	8	28.57	5	13
39999 ALL OTHER PROFESSIONAL, PARAPROFESSIONAL, & TECHN.	9	0.68	11	2	22.22	0	2
40000 SALES & RELATED OCCUPATIONS	**5**	**0.38**	**6**	**1**	**20.00**	**0**	**1**
50000 CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	**233**	**17.52**	**290**	**57**	**24.46**	**25**	**82**
51002 FIRST LINE SUPERVISORS-CLERICAL & ADMIN. SUPPORT	*	*	*	*	*	0	2
55105 MEDICAL SECRETARIES	19	1.43	25	6	31.58	5	11
55199 ALL OTHER SECRETARIES	22	1.65	28	6	27.27	5	11
55308 TYPISTS	33	2.48	37	4	12.12	5	9
55321 FILE CLERKS	5	0.38	6	1	20.00	0	1
55326 PROCUREMENT CLERKS	*	*	*	*	*	0	2
55328 STATISTICAL CLERKS	*	*	*	*	*	0	2
55332 INTERVIEWING CLERKS, EXC. PERSONNEL & WELFARE	*	*	*	*	*	5	11
55338 BOOKKEEPING, ACCOUNTING, & AUDITING CLERKS	*	*	*	*	*	0	2
55344 BILLING, COST & RATE CLERKS	*	*	*	*	*	0	4
55347 GENERAL OFFICE CLERKS	36	2.71	46	10	27.78	5	15
56099 ALL OTHER OFFICE MACHINE OPERATORS	6	0.45	8	2	33.33	0	2
57102 SWITCHBOARD OPERATORS	*	*	*	*	*	0	3
58023 STOCK CLERKS-STOCKROOM, WAREHOUSE OR STORAGE YARD	*	*	*	*	*	0	2
58099 ALL OTHER MATERIAL RECORDING/SCHEDULING/DISTRIB.	1	0.08	1	0	0.00	0	0
59999 ALL OTHER CLERICAL & ADMINISTRATIVE SUPPORT WKRS.	16	1.20	21	5	31.25	0	5

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ESTIMATED EMPLOYMENT AND JOB OPENINGS IN HOSPITALS
-YAVAPAI COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
60000 SERVICE OCCUPATIONS	**287**	**21.58**	**354**	**67**	**23.34**	**50**	**117**
61099 ALL OTHER SERVICE SUPERVISORS & MGR./SUPERVISORS	8	0.60	10	2	25.00	0	2
63047 GUARDS & WATCH GUARDS	*	*	*	*	*	5	6
65011 FOOD SERVERS, OUTSIDE	*	*	*	*	*	0	5
65028 COOKS, INSTITUTION OR CAFETERIA	14	1.05	16	2	14.29	0	2
65038 FOOD PREPARATION WORKERS	*	*	*	*	*	10	21
66008 NURSING AIDES, ORDERLIES, & ATTENDANTS	*	*	*	*	*	15	34
66017 PHYSICAL & CORRECTIVE THERAPY ASSISTANTS & AIDES	*	*	*	*	*	0	2
66026 PHARMACY ASSISTANTS	12	0.90	15	3	25.00	0	3
66099 ALL OTHER HEALTH SERVICE WORKERS	21	1.58	27	6	28.57	5	11
67002 MAIDS & HOUSEKEEPING CLEANERS	64	4.81	80	16	25.00	15	31
70000 AGRICULTURE, FORESTRY, & FISHERY OCCUPATIONS	**1**	**0.08**	**1**	**0**	**0.00**	**0**	**0**
80000 PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	**47**	**3.53**	**60**	**13**	**27.66**	**0**	**13**
81099 ALL OTHER FIRST LINE MGRS./SUPRS.-MAIN./PROD./CONST	5	0.38	6	1	20.00	0	1
85132 MAINTENANCE REPAIRERS, GENERAL UTILITY	*	*	*	*	*	0	3
85908 ELECTROMEDICAL & BIOMEDICAL EQUIPMENT REPAIRERS	*	*	*	*	*	0	2
85999 ALL OTHER MECHANICS, INSTALLERS, & REPAIRERS	1	0.08	1	0	0.00	0	0
87899 ALL OTHER CONSTRUCTION TRADES WORKERS	7	0.53	10	3	42.86	0	3
92900 ALL OTHER MACH. SETT RS & OPERS. EXC. METAL/PLASTIC	5	0.38	6	1	20.00	0	1
92926 BOILER OPERATORS & TENDERS, LOW PRESSURE	6	0.45	8	2	33.33	0	2
97199 ALL OTHER MOTOR VEHICLE OPERATORS	4	0.30	5	1	25.00	0	1
TOTAL OF ALL OCCUPATIONS	**1,330**	**100.00**	**1,686**	**356**	**26.77**	**170**	**526**

*SUPPRESSED DATA THAT IS CONFIDENTIAL.

ESTIMATED EMPLOYMENT AND JOB OPENINGS IN HOSPITALS
-YUMA COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
10000 MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	**32**	**3.26**	**40**	**8**	**25.00**	**5**	**13**
15008 MEDICINE & HEALTH SERVICES MANAGERS	12	1.22	15	3	25.00	0	3
19005 GENERAL MANAGERS & TOP EXECUTIVES	13	1.33	16	3	23.08	5	8
19999 ALL OTHER MANAGERS & ADMINISTRATORS	7	0.71	9	2	28.57	0	2
20000 PROFESSIONAL, PARAPROFESSIONAL, & TECH. OCCUPATIONS	**486**	**49.54**	**623**	**137**	**28.19**	**70**	**207**
21199 ALL OTHER FINANCIAL SPECIALISTS	2	0.20	3	1	50.00	0	1
21999 ALL OTHER MANAGEMENT SUPPORT WORKERS	22	2.24	28	6	27.27	5	11
22199 ALL OTHER ENGINEERS	5	0.51	7	2	40.00	0	2
25108 COMPUTER PROGRAMMER AIDES	5	0.51	6	1	20.00	0	1
25199 ALL OTHER COMPUTER SCIENTISTS	2	0.20	3	1	50.00	0	1
27302 SOCIAL WORKERS, MEDICAL & PSYCHIATRIC	5	0.51	6	1	20.00	0	1
27599 ALL OTHER RELIGIOUS WORKERS	4	0.41	5	1	25.00	0	1
31399 ALL OTHER TEACHERS & INSTRUCTORS	3	0.31	4	1	33.33	0	1
32302 RESPIRATORY THERAPISTS	16	1.63	20	4	25.00	0	4
32502 REGISTERED NURSES	240	24.46	312	72	30.00	40	112
32505 LICENSED PRACTICAL NURSES	77	7.85	97	20	25.97	20	40
32517 PHARMACISTS	9	0.92	11	2	22.22	0	2
32902 MEDICAL & CLINICAL LABORATORY TECHNOLOGISTS	12	1.22	14	2	16.67	0	2
32905 MEDICAL & CLINICAL LABORATORY TECHNICIANS	9	0.92	10	1	11.11	0	1
32911 MEDICAL RECORDS TECHNICIANS & TECHNOLOGISTS	7	0.71	10	3	42.86	0	3
32921 RADIOLOGIC TECHNICIANS	7	0.71	10	3	42.86	0	3
32925 CARDIOLOGY TECHNOLOGISTS	10	1.02	13	3	30.00	0	3
32926 ELECTROCARDIOGRAPH TECHNICIANS & TECHNOLOGISTS	9	0.92	10	1	11.11	0	1
32928 SURGICAL TECHNICIANS	7	0.71	10	3	42.86	0	3
32931 PSYCHIATRIC TECHNICIANS	5	0.51	6	1	20.00	0	1
32999 ALL OTHER HEALTH PARA/PROFESSIONALS & TECHNS.	24	2.45	31	7	29.17	5	12
39999 ALL OTHER PROFESSIONAL, PARAPROFESSIONAL, & TECHN.	6	0.61	7	1	16.67	0	1

*SUPPRESSED DATA THAT IS CONFIDENTIAL.

ESTIMATED EMPLOYMENT AND JOB OPENINGS IN HOSPITALS
-YUMA COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
40000 SALES & RELATED OCCUPATIONS	**4**	**0.41**	**5**	**1**	**25.00**	**0**	**1**
50000 CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	**274**	**27.93**	**343**	**69**	**25.18**	**30**	**99**
53123 ADJUSTMENT CLERKS	6	0.61	8	2	33.33	0	2
55199 ALL OTHER SECRETARIES	6	0.61	8	2	33.33	0	2
55305 RECEPTIONISTS & INFORMATION CLERKS	19	1.94	25	6	31.58	5	11
55308 TYPISTS	24	2.45	27	3	12.50	5	8
55328 STATISTICAL CLERKS	15	1.53	18	3	20.00	0	3
55332 INTERVIEWING CLERKS, EXC. PERSONNEL & WELFARE	20	2.04	25	5	25.00	5	10
55344 BILLING, COST & RATE CLERKS	18	1.83	21	3	16.67	0	3
55347 GENERAL OFFICE CLERKS	38	3.87	48	10	26.32	5	15
56099 ALL OTHER OFFICE MACHINE OPERATORS	4	0.41	5	1	25.00	0	1
57102 SWITCHBOARD OPERATORS	8	0.82	10	2	25.00	0	2
58099 ALL OTHER MATERIAL RECORDING/SCHEDULING/DISTRIB.	5	0.51	6	1	20.00	0	1
59999 ALL OTHER CLERICAL & ADMINISTRATIVE SUPPORT WKRS.	111	11.31	142	31	27.93	10	41
60000 SERVICE OCCUPATIONS	**148**	**15.09**	**188**	**40**	**27.03**	**35**	**75**
61008 HOUSEKEEPERS	33	3.36	43	10	30.30	10	20
61099 ALL OTHER SERVICE SUPERVISORS & MGR./SUPERVISORS	4	0.41	5	1	25.00	0	1
63047 GUARDS & WATCH GUARDS	6	0.61	8	2	33.33	5	7
65028 COOKS, INSTITUTION OR CAFETERIA	7	0.71	9	2	28.57	0	2
65038 FOOD PREPARATION WORKERS	11	1.12	13	2	18.18	0	2
65099 ALL OTHER FOOD SERVICE WORKERS	31	3.16	38	7	22.58	5	12
66008 NURSING AIDES, ORDERLIES, & ATTENDANTS	38	3.87	48	10	26.32	10	20
66099 ALL OTHER HEALTH SERVICE WORKERS	15	1.53	20	5	33.33	5	10
67099 ALL OTHER CLEANING/BLDG. SERVICE EXC. PRIV. HOUSE.	3	0.31	4	1	33.33	0	1
70000 AGRICULTURE, FORESTRY, & FISHERY OCCUPATIONS	**3**	**0.31**	**4**	**1**	**33.33**	**0**	**1**

*SUPPRESSED DATA THAT IS CONFIDENTIAL.

ESTIMATED EMPLOYMENT AND JOB OPENINGS IN HOSPITALS
-YUMA COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
80000 PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	**34**	**3.47**	**41**	**7**	**20.59**	**5**	**12**
81099 ALL OTHER FIRST LINE MGRS./SUPRS.-MAIN./PROD./CONST	1	0.10	1	0	0.00	0	0
85119 ALL OTHER MACHINERY MAINTENANCE MECHANICS	3	0.31	4	1	33.33	0	1
85908 ELECTROMEDICAL & BIOMEDICAL EQUIPMENT REPAIRERS	5	0.51	6	1	20.00	0	1
85999 ALL OTHER MECHANICS, INSTALLERS, & REPAIRERS	1	0.10	1	0	0.00	0	0
87899 ALL OTHER CONSTRUCTION TRADES WORKERS	2	0.20	2	0	0.00	0	0
87999 ALL OTHER CONST./EXTRACT. WKRS. EXC. HELPERS	9	0.92	11	2	22.22	0	2
92726 LAUNDRY & DRYCLEANING MACH. OPERS., EXC. PRESSING	12	1.22	15	3	25.00	5	8
92900 ALL OTHER MACH. SETTERS & OPERS. EXC. METAL/PLASTIC	1	0.10	1	0	0.00	0	0
TOTAL OF ALL OCCUPATIONS	**981**	**100.00**	**1,244**	**263**	**26.81**	**145**	**408**

*SUPPRESSED DATA THAT IS CONFIDENTIAL.

METHODOLOGY

Sample Selection and Response Rate

Occupational estimates for the hospital industry were developed from a survey of employers in Arizona. Employers asked to participate in the survey were selected, using standardized sampling techniques, from a master employer file of firms doing business in Arizona. A sample of establishments employing 4-74 employees and all those having 75 or more employees were surveyed.

Using a questionnaire designed by the Bureau of Labor Statistics, employment data are requested for the pay period which includes the 12th day of the specified month. Although considered a mail survey, respondents are encouraged to telephone a toll-free number to provide requested information and firms employing more than 50 generally receive a personal visit. Extensive follow-up of nonrespondents is undertaken to achieve high response rates that have averaged nearly 90 percent in recent years.

In the 1989 survey of hospitals, 95 of 98 provided the requested information. Firms responding represented 97 percent of the industry's employment.

Employment and Demand Projections

Projecting occupational employment and demand was accomplished in two basic stages. First, total hospital employment was estimated for the target years. These forecasts were computed using an econometric model driven by forecast values for variables such as national unemployment, interest rates, and industrial production. Staffing pattern ratios, as determined by the OES survey, were then applied to the industry employment projections--representing the second stage of the forecasting methodology.

Employment data reflect full- and part-time workers, workers on paid leave, and workers on unpaid short-term absences, i.e., sick leave, temporary layoff, and jury duty. Also included are salaried officers, executives, and staff of incorporated firms. Workers performing tasks related to two or more occupations are classified according to the highest level of skill performed.

"Total Job Openings" represents the sum of openings resulting from expansion and replacement during the projection period. Expansion, or growth, is the numerical difference in employment for a given period. Replacement represents job openings that transpire due to separations from the labor force, i.e., death, retirement, and pregnancy, and is based on occupational separation rates from the 1980 Census. The "Total Job Openings" column does not include labor turnover, i.e., openings created when a worker changes jobs, leaving the job to be filled by someone else. These vacancies are often the largest source of job openings.

Limitations and Technical Notes

The projection method does not account for cyclical, seasonal, and such external factors as sudden discontinuations or initiations of major government programs.

Employment forecasts for the nonmetropolitan counties are based on growth rates developed for the "balance of state" (Arizona less Maricopa and Pima counties) rather than for individual counties.

All sample surveys are subject to both sampling and nonsampling errors. A sampling error is the difference between the estimated data derived from a sample and the data which would result from a survey of the universe. Unless the universe is surveyed, sampling error will always result. Nonsampling errors are those which can result from faulty questionnaire design, improperly collected data, and other nonmeasurable factors. Every effort is made to minimize such errors.

LABOR MARKET INFORMATION PUBLICATIONS
OCCUPATIONAL EMPLOYMENT STATISTICS, 733A
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PHOENIX, ARIZONA 85005

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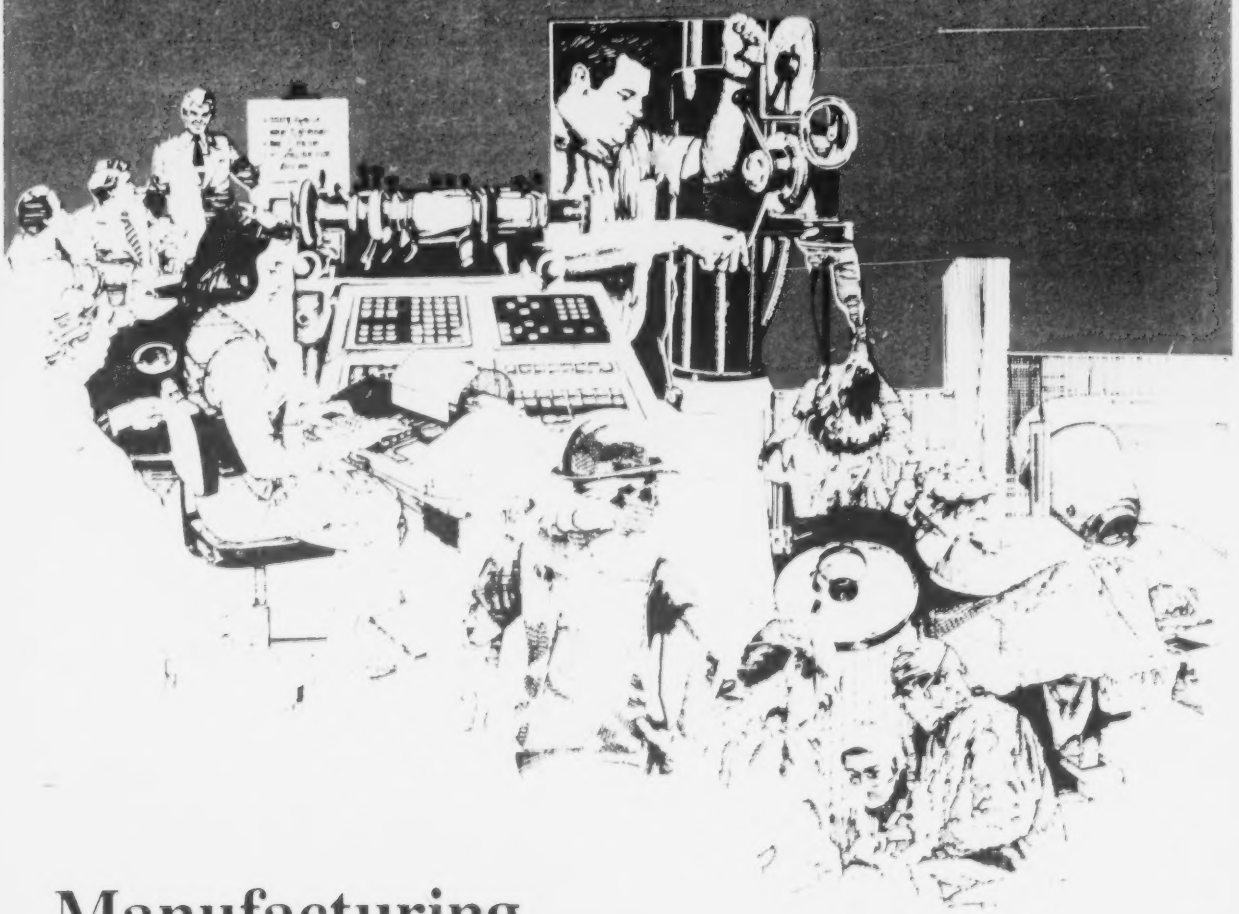
Arizona Department of Economic Security
— Moving People Toward Self-Sufficiency

PAL-332 (12-91)

1991

Arizona Occupational Profile

A Labor Market Information Publication
of the Department of Economic Security



Manufacturing

UTAH
COCONINO
MOHAVE
KINGMAN
FLAGSTAFF
NAVAJO
APACHE
HOLBROOK
ST. JOHNS
CALIFORNIA
PRESCOTT
YAVAPAI
NEW MEXICO
PARKER
LA PAZ
GILA
PHOENIX
GLOBE
CLIFTON
GREENLEE
MARICOPA
FLORENCE
SAFFORD
YUMA
PINAL
YUMA
GRAHAM
TUCSON
PIMA
COCHISE
MEXICO
SANTA CRUZ
BISBEE
NOGALES
ARIZONA

ARIZONA OCCUPATIONAL PROFILE

The value of current and accurate occupational employment information has long been recognized by job seekers, public and private administrators, and those involved in training, recruiting, and counseling. A major source of this information in Arizona is the Arizona Occupational Employment Statistics (OES) Program -- a cooperative effort between Arizona and the U.S. Department of Labor, Bureau of Labor Statistics.

This *Arizona Occupational Profile* is one in a series of publications produced from information developed by the OES survey. These publications represent one of several occupational employment information delivery systems incorporating OES survey data. The survey is used to collect employment data, by county, for nearly 800 occupations in Arizona. From these surveys, which require the cooperation of the Arizona business community, current employment in the various occupations is determined, and from this an occupational outlook is formulated. The occupational profiles contain the survey findings and examine, individually, the industries of Arizona.

Profiled industries include:

Trade
Mining
Services
Government
Construction
Manufacturing
Finance, Insurance, and Real Estate
Transportation, Communications, and Public Utilities

For further information, or to comment on any aspect of this program, please write to the address on the back cover.

INDUSTRY INFORMATION

Industry Definition

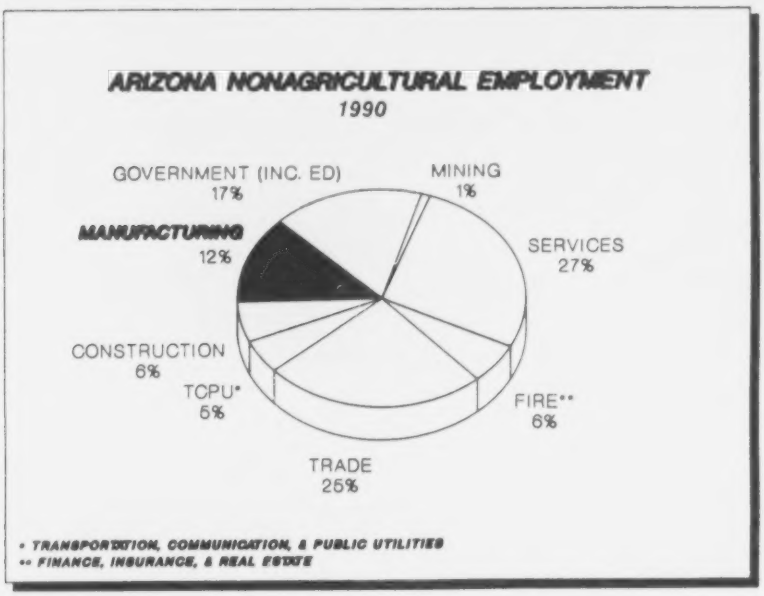
Occupational employment estimates and projections for the manufacturing industry in Arizona are provided in this publication for the state and counties. Manufacturers engage in the mechanical or chemical transformation of materials or substances into new products and in assembling component parts of manufactured products.

Usually described as plants, factories, or mills, firms included represent those that manufacture both durable and nondurable goods. Durables are products that are meant to last, such as aircraft, computer terminals, saw blades, concrete blocks, and dental equipment. Nondurables are more readily consumed items like canned fruits and vegetables, clothing, and soaps. Also included are such things as newspapers, drugs, and fertilizers.

A detailed description of the types of firms surveyed is found in the Standard Industrial Classification (SIC) Manual[1] under codes 20 through 39.

Industry Description

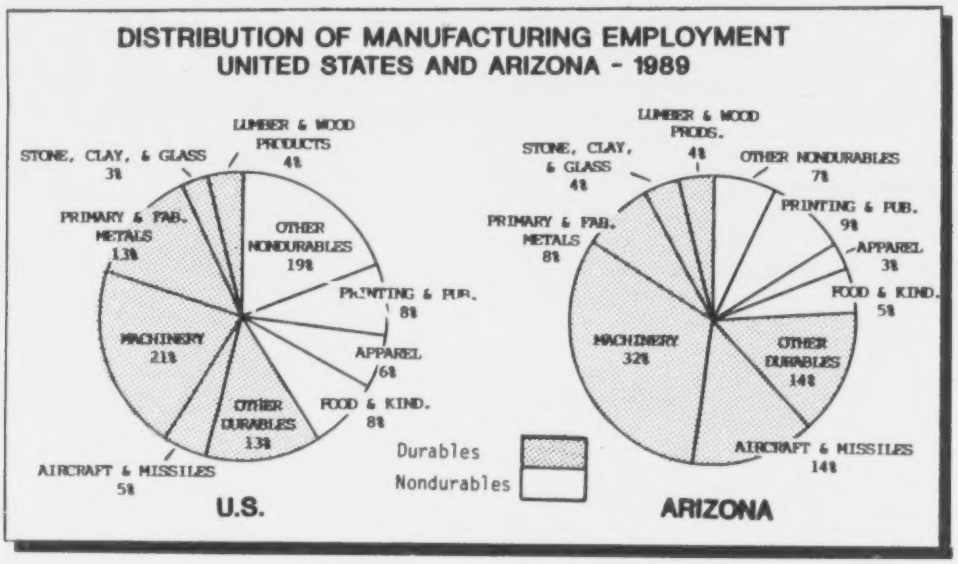
Of the more than 1.5 million workers in Arizona, 188,000 or 12 percent were employed in manufacturing in 1990. Ranking behind services, trade, and government (which includes about 117,000 educational service workers), manufacturing is Arizona's fourth-largest industry, based on employment.



[1] Office of Management and Budget, Standard Industrial Classification Manual, 1987 Edition, pp. 67-263.

The bulk of employment in manufacturing (75 percent) is involved in the production of durable goods--primarily machinery. Manufacturers of electronic computing equipment, semiconductors, and related products account for more than half of the employment in machinery manufacturing. In the manufacture of nondurables, employment in printing and publishing and food products dominates.

Comparison of manufacturing employment in Arizona and the United States reflects the prominence of machinery, defense, and aerospace-related manufacturing in the State. Nationally, a greater share of employment is involved with the manufacture of nondurables--particularly apparel, textiles, and food products.



Three of every four Arizonans working in manufacturing are employed in Maricopa County--the remainder divided between Pima County with 14 percent and the "balance of state" with 11 percent. Compared to Maricopa and Pima counties, the nonmetropolitan counties are to a greater degree involved in the manufacture of nondurables--most notably food products and apparel. Prominent in the manufacture of food products are firms producing bottled and/or canned drinks in Coconino and Navajo counties; pet foods in Coconino County; canned fruits and vegetables in Cochise and Yuma counties; and dairy products, and potato or corn chips in Pinal County. The apparel industry is dominated by manufacturers in Mohave, Pinal, and Yuma counties. Of the nonmetro counties, Pinal had the largest manufacturing employment in 1990, most concentrated in the manufacture of food and food products, and printing and publishing. Yavapai had the greatest number of manufacturing firms, however, led by lithographic commercial printers and copper foundries.

MANUFACTURING FIRMS AND EMPLOYMENT BY COUNTY - JUNE, 1989

County	Firms	Employment*
Apache	17	800
Cochise	62	1,250
Coconino	100	3,000
Gila	23	1,350
Graham/Greenlee	18	200
LaPaz	12	275
Maricopa	2,935	139,300
Mohave	98	2,525
Navajo	58	1,825
Pima	646	28,000
Pinal	69	3,875
Santa Cruz	44	1,200
Yavapai	129	2,200
Yuma	65	2,125
STATE	4,276	188,000

**Does not add to total due to rounding.*

The following table provides a profile of each county's manufacturing employment. Conspicuous are several counties whose manufacturing profile is dominated by a single industry. The manufacture of primary and fabricated metals (copper smelting) in Gila County and lumber and lumber products in Apache and Navajo counties are most notable.

COUNTY MANUFACTURING EMPLOYMENT PROFILE
- PERCENT DISTRIBUTATION, 1989 -

Counties	Total	Aircraft & Missiles	Lumber	Stone, Clay, & Glass	Primary & Fab. Mtls.	Machinery	Food & Kind	Print. & Pub.	Instruments	Other
Apache	100%	0	49	0	0	0	0	0	49	*
Cochise	100%	0	3	16	1	36	10	15	5	13
Coconino	100%	C	35	3	7	8	8	12	19	7
Gila	100%	0	C	6	75	0	2	5	0	W
Graham/Greenlee	100%	4	4	0	C	6	30	50	*	W
Maricopa	100%	12	3	4	8	37	4	9	8	15
Mohave	100%	*	2	6	12	35	*	8	*	37
Navajo	100%	*	53	1	*	2	7	5	*	32
Pima	100%	2	2	5	7	33	5	9	9	30
Pinal	100%	*	4	9	20	2	22	14	*	29
Santa Cruz	100%	*	*	*	*	35	2	7	C	W
Yavapai	100%	3	8	14	34	7	1	10	12	10
Yuma/La Paz	100%	C	3	12	*	12	11	9	*	W

PERCENT

* Less than one-half of one percent
C Confidential
W Withheld

In 1990, manufacturing establishments numbered more than 5,300, many of which were printing and publishing firms (1,220); manufacturers of industrial and commercial machinery and computer equipment (708); and firms that manufacture fabricated metal products other than machinery, i.e., sheet metal and ornamental metal product manufacturers (512). Most manufacturing firms are relatively small (77 percent employ less than 20 persons); yet, 2 percent of Arizona's manufacturing firms employ more than half of the industry's workers.

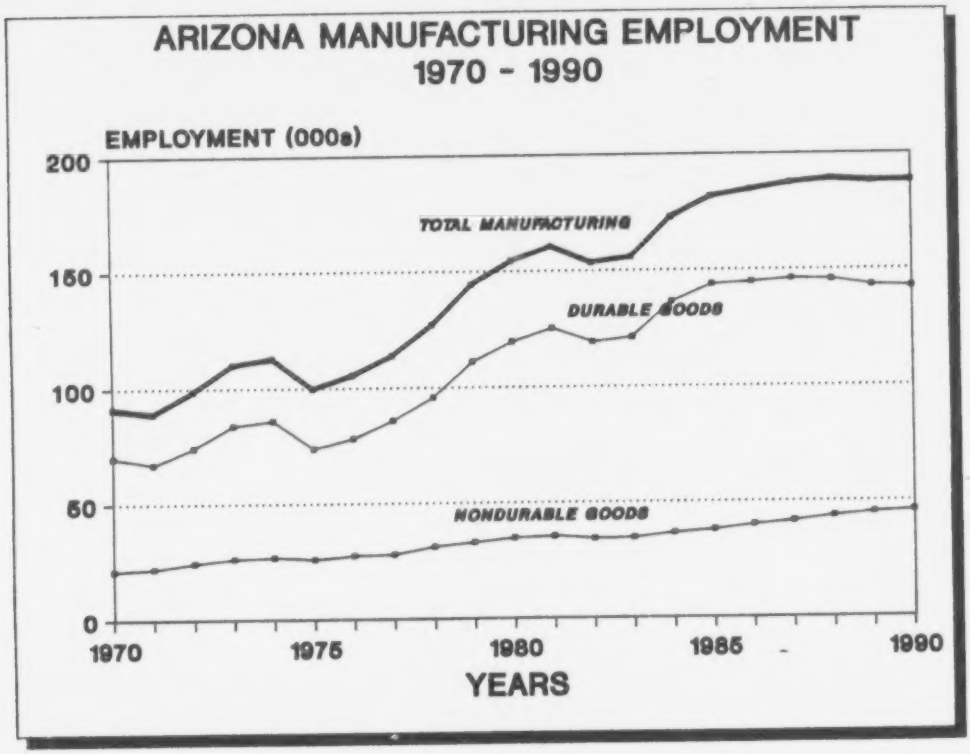
MANUFACTURING FIRMS BY SIZE CLASS
JUNE 1990

EMPLOYMENT SIZE CLASS	0-9	10-19	20-49	50-99	100-249	250-499	500-999	1,000+
ESTABLISHMENTS	3,423	697	650	286	173	55	22	18
(4,380=100%)	64%	13%	12%	5%	3%	1%	.4%	.3%

Industry Trends

Once dominated by agriculture and mining, Arizona's industry profile has seen the emergence, expansion, and now contraction of manufacturing's share of employment. Reflecting a national trend, manufacturing employment has, despite strong growth, accounted for a smaller piece of the state's economic pie in recent years. Peaking in 1969 at 18 percent, the industry's share of total Arizona employment dropped to 12 percent by 1990. Both nationally and locally, employment in manufacturing has, over the years, increased in absolute numbers but lost some of its share to the more rapidly expanding service industries. Currently, manufacturing accounts for about 18 percent of the employment in the United States.

Attesting to the rapid expansion of Arizona's economy, manufacturing employment increased an average of nearly 7 percent annually between 1970 and 1980 and yet was outpaced by all of the other major industry sectors except mining and government. In comparison, annual employment gains for manufacturers nationwide averaged less than 1 percent during the period. Following employment losses in 1982 and marginal increases in 1983, the fortunes of local manufacturing firms rebounded strongly with the economy in 1984. Ensuing years brought significantly less employment growth in the industry, however, with increases averaging less than 2 percent annually, culminating with the loss of about 2,600 workers in 1990.



Recent sluggishness in Arizona's manufacturing industry was, to a large measure, the result of activity in firms that manufacture industrial and commercial machinery and computer equipment. A worldwide recession in semiconductors and reductions in federal defense spending have significantly dampened demand for products made by many of Arizona's "high-tech" manufacturers. Particularly hard hit was Pima County which saw 4,000 jobs disappear in its durable goods sector between 1986 and 1989.

INDUSTRY GROWTH RATES IN ARIZONA

	Employment (000s)			Percent Growth	
	1970	1980	1990	1970-1980	1980-1990
Services	91.5	207.7	409.5	127.0%	97.2%
FIRE*	30.5	58.2	94.8	90.8	62.9
Trade	127.0	243.0	378.9	91.3	55.9
TCPU**	30.0	51.3	80.6	71.0	57.1
Government	119.5	201.8	257.8	85.2	27.8
Manufacturing	91.2	154.4	188.2	69.3	21.9
Construction	37.1	76.6	83.0	106.5	8.4
Mining	20.6	21.0	12.7	1.9	-39.5
Total	547.4	1,014.0	1,505.4	85.2	48.5

*Finance, Insurance, and Real Estate
**Transportation, Communications, and Public Utilities

While weakness characterizes the demand for some of Arizona's products, strengths exist also. Particularly notable is the manufacture of automatic controls for heating and refrigeration applications; perfume and cosmetics; and above all, printed material. Printers and publishers have, over the years, shown consistent and strong growth and now employ 17,000 in Arizona--up 54 percent over their 1980 employment of 11,000.

Industries losing employment between 1980 and 1989 were those manufacturing apparel; primary metals; fabricated metals; and industrial and commercial machinery and computer equipment.

Since 1980, virtually all manufacturing employment growth was claimed by Maricopa and Pima counties and was concentrated in the manufacture of durable goods. Although not creating as many job openings as its upstate metropolitan counterpart, Pima County manufacturers increased their employment 31 percent between 1980 and 1989. Maricopa County registered a 22 percent increase for the period while in the rural counties Apache, Pinal, and Yuma registered the largest gains.

Although fluctuating with the business cycle, manufacturing's historically strong growth pattern in Arizona is expected to continue. Employment in the industry is projected to increase 18,000 or nearly 10 percent between 1989 and 1994. This is compared to the 18 percent increase expected for all industrys in the State. Manufacturing will, however, lose some of its share of employment to the State's service-producing sectors--reflecting an evolution that is evident both locally and, to a greater degree, nationally. According to the Bureau of Labor Statistics, by the year 2000, nearly four of every five jobs in the country will be in industries that provide services. And unlike Arizona, the United States will not see growth in the number of workers in manufacturing - in fact, the industry is expected to lose 2 percent of its employment between 1980 and 2000.

Over the five years between 1989 and 1994, Arizona firms that manufacture chemicals and allied products are predicted to have the strongest growth in the industry. Led by producers of pharmaceuticals, chemical manufacturers are expected to increase their employment 38 percent for the period. Although predicted to expand a modest 13 percent, manufacturers of electrical and electronic machinery will register the greatest number of new jobs--more than 4,500 for the same five-year period.

The nation's recovery from doldrums afflicting manufacturing in 1985-86 was boosted by demand from abroad. Just as a greater share of U.S manufactures is finding its way to other countries, more products of Arizona firms are being shipped out of state, particularly to Asia, Canada, and Mexico. Rapidly changing political and economic climates in Europe and Asia, and Middle East conflicts render the forecasts tenuous at best. Also affecting the fortunes of manufacturing firms in Arizona will be developments related to the operation of "maquiladoras"--labor intensive assembly operations created as a result of efforts by Mexico and the United States to take advantage of Mexico's comparatively low wages and to lower unemployment along the border.

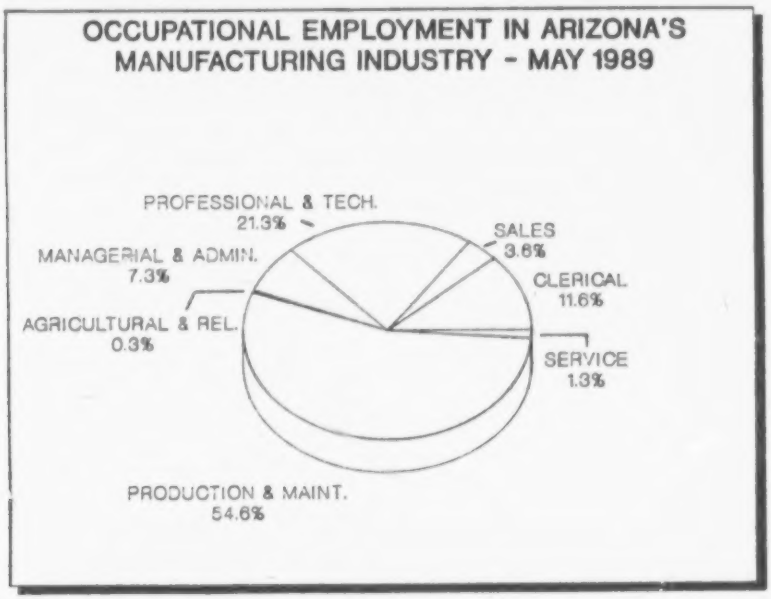
Employment growth in Arizona will, as in other sunbelt states, be augmented by the economic boost created by immigration and the relocation and establishment of new businesses in the state. The concentration of manufacturing employment will continue to shift away from the eastern and midwestern industrial complex to establish greater geographical homogeneity.

OCCUPATIONAL INFORMATION

Not surprisingly, production and maintenance workers dominate in manufacturing, accounting for more than half of the industry's employment. In this category is a wide range of occupations which includes assemblers, mechanics and repairers, truck drivers, and craft workers such as carpenters and electricians.

Accounting for one of every four production and maintenance workers, assemblers numbered more than 21,000 in 1989 and accounted for the industry's two largest occupations based on employment. Nonprecision assemblers and precision electrical and electronic equipment assemblers ranked first and second with employment of 8,300 and 6,400, respectively.

With employment at over 5,000, electrical and electronic engineers ranks as the third largest occupation in Arizona's manufacturing industry and is followed by production managers and supervisors.



Review of manufacturing occupations with the greatest employment reflects the significance of electronics-related firms in the state. Four of the top six occupations are directly related to the production of electrical goods. Also ranking high are occupations common to all or most manufacturers, e.g., managers and executives, secretaries, and production managers and supervisors.

OCCUPATIONS WITH THE LARGEST EMPLOYMENT IN ARIZONA'S MANUFACTURING INDUSTRY

	Employment 1989	Annual Job Openings* 1989-1994
Assemblers & Fabricators, Exc. Mach./Elect.	8,275	321
Electrical & Electronic Equip. Assemblers - Prec.	6,396	265
Electrical & Electronic Engineers	5,073	265
First Line Supers. & Managers - Production	4,821	237
Electrical & Electronic Engineering Techs.	4,780	217
Electronic Semiconductor Processors	4,019	67
General Managers & Top Executives	3,664	221
General Office Clerks	3,351	190
Production Inspectors, Graders, and Sorters	3,331	120
Machinists	3,323	159
All Other Engineers	3,232	130
All Other Engineering & Related Techs.	3,121	108
Secretaries	3,117	133
Precision Testers, Graders, & Sorters	2,916	109
Truck Drivers, Heavy	2,824	142
Mechanical Engineers	2,763	168
Industrial Production Managers	2,734	198
Engineering, Math., & Natural Sciences Mgrs.	2,720	190
Industrial Engineers, Exc.Safety	2,441	135
All Other Material Movers, Hand	2,368	59
Bookkeeping, Accounting, & Auditing Clerks	2,228	137
All Other Helpers, Laborers, & Movers, Hand	2,223	107
Sales Reps., Exc. Scientific, Services, & Retail	2,193	151
Electrical & Electonic Assemblers	2,165	-20
Machine Forming Opers./Tenders - Metal/Plastic	2,104	57
Production, Planning, & Expediting Clerks	2,092	93
Electromechanical Equip. Assemblers - Precision	2,072	39
All Other Professional, Paraprofessional, & Tech.	1,939	67
Sewing Machine Operators, Garment	1,922	75
Hand Packers & Packagers	1,763	40
Machine Tool Cutting Opers./Tenders - Metal/Plastic	1,750	66
Stock Clerks - Stockroom, Warehouse, or Storage	1,669	61

* Excludes job opportunities resulting from turnover.

Comparison of the staffing patterns for metropolitan and nonmetropolitan counties indicates a larger percentage of professional and technical personnel and a smaller share of maintenance and production workers in Maricopa and Pima counties. In Pima County, for example, one worker in four is a professional, paraprofessional, or technical worker, whereas in the nonmetropolitan counties the ratio is about one in seventeen. Outside of Maricopa and Pima counties, three-fourths of all manufacturing employees are production and maintenance workers. A greater emphasis on research and development and the location of administrative services in Phoenix and Tucson contribute to this geographic distribution. Research and development is especially vital to the aerospace and electronics industries which are active in these cities. Of the state's more than 5,000 electrical and electronic engineers employed in 1989, 4,200 worked in Maricopa County, 800 in Pima County, and 50 in the "balance of state." Employment of electrical and electronic engineering technicians is to an even greater degree concentrated in the two urban counties, with nearly ninety percent employed in Maricopa County alone.

In Arizona, manufacturing will realize expansion in each of the major occupational categories as the industry adds 18,000 new jobs between 1989 and 1994. Changes in occupational employment will vary, however, as the industry responds to a host of technical, political, and economic developments. Continued mechanization, for example, and other labor-saving procedures will, over the long run, continue to erode the industry's employment share claimed by laborers, helpers, and material movers. On the other hand, increasingly complex manufacturing processes will strengthen the demand for a variety of professional and technical occupations. To illustrate, the Department of Labor is predicting that the U.S. will lose 314,000 manufacturing jobs between 1988 and the year 2000; yet, several occupational groups are expected to realize significant employment gains. These include executive, administrative, and managerial occupations; professional occupations; and technicians and related support occupations.

The projections indicate that in manufacturing, as well as in many other industries, occupations which require the most education will generally grow faster than those with lower educational requirements.

In Arizona, production and maintenance occupations will continue to provide the greatest number of opportunities to job seekers in manufacturing. Led by the demand for assemblers, this occupational category is expected to provide nearly 20,000 openings between 1989 and 1994 as a result of industry expansion and the need to replace workers who leave the labor force. Because assembly jobs often require limited education or training, there is significant occupational mobility and, as a result, an even greater number of workers will be needed to satisfy turnover requirements.

Although the extent of its impact is not without controversy, the mechanization of assembly-line operations will dampen the demand for certain assemblers. Further suppressing employment in assembly related occupations is the trend to "outsourcing"--the practice of moving assembly operations to countries where the cost of labor is less. Evidence of these forces in Arizona is reflected by the

projections provided in this publication. Whereas employment in manufacturing is predicted to increase 18,000 (9 percent), precision assemblers will see their numbers shrink by nearly 700 (7 percent) during the projection period. In fact, employment of precision electrical and electronic equipment assemblers dropped nearly 2,000 between 1983 and 1989

Particularly vulnerable to pressures of mechanization is employment of laborers, freight and stock movers, and other unskilled workers. Automation coupled with the relatively large labor force in these occupations will make job-hunting increasingly competitive.

Professional and technical personnel are expected to continue increasing their share of industry employment with research and development insuring a demand for engineers, scientists, and technicians. Electrical and electronic engineers, which represent the largest professional occupation in manufacturing, account for 3 percent of all manufacturing employment and 7 percent of electronics-related manufacturing employment. With their knowledge of mathematics, science, and electronics, engineers are involved with production and quality control as well as research and development. Most are specialized and work in a specific area, such as in the design and implementation of solid-state circuitry in radar, computers, and calculators. Although demand by businesses and government for computers, communications equipment, and military electronics is expected to account for much of the projected employment demand for engineers, consumer demand for electrical and electronic goods, and research and development for more efficient manufacturing processes will likely create additional jobs. Other opportunities will be available for engineers in sales departments as industry products increasingly require sales personnel with technical backgrounds.

Also critical in the design and manufacture of electrical and electronic equipment are technicians, whose employment will expand an estimated 12 percent between 1989 and 1994. Opportunities will be best for graduates of postsecondary school technical training programs, particularly programs in which students gain practical work experience. The need to maintain and repair an ever-increasing number of electronic products used by industry and consumers will contribute to a strong and stable demand for workers with technical skills.

As in other Arizona industries, a strong and unwavering demand for quality clerical personnel exists in manufacturing. During the projection period, more than 4,800 openings will result from industry growth and the need to replace those who leave the labor force. Because turnover rates are relatively high for clerical workers, many more opportunities will result from the need to replace workers who change jobs. Especially attractive to employers are clerical workers who are proficient with word processing and other office equipment. Expected to experience the strongest demand are secretaries, general office clerks, production, and bookkeeping clerks.

OCCUPATIONAL DATA TABLES

The following tables provide employment estimates and projected employment and job openings for the counties and the state. Graham and Greenlee counties have been combined due to their close proximity, similar economies, and size.

When using the data, please note the following:

1) Projected data was developed before the United States committed itself, militarily, in Saudi Arabia. Political and economic uncertainties in the Middle East precluded the development of employment forecasts with a high degree of confidence.

2) The data reflect full- and part-time wage and salary employment only, and do not include self-employed or unpaid family workers.

3) Total job openings represent the number of openings due to growth of the industry and separations from the labor force. They do not account for labor turnover, i.e., openings created when a worker changes jobs, leaving the job to be filled by someone else. These openings are generally the largest source of job openings.

4) To eliminate the possible disclosure of confidential employer information, occupations have been added to the appropriate "All Other" or residual category if: less than three firms reported a single occupation; one firm reported more than 50 percent of the occupational estimate; or two firms combined reported more than 75 percent of the occupational estimate. In certain cases, releases have been obtained from large employers to waive the confidentiality criteria.

5) The projection technique does not possess the degree of accuracy that may be implied by small employment and demand figures.

6) Data for occupations with employment of less than five are included in the appropriate "All Other" categories. These occupations are not listed, however, in the summary of "All Other" categories which follows each table.

Please refer to the METHODOLOGY section at the back of this publication for further technical information.

ESTIMATED EMPLOYMENT AND JOB OPENINGS IN MANUFACTURING
-STATEWIDE-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
10000 MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	**13,686**	**7.29**	**15,496**	**1,810**	**13.23**	**2,435**	**4,245**
13002 FINANCIAL MANAGERS	816	0.43	889	73	8.95	105	178
13005 PERSONNEL, TRAINING, & LABOR RELATIONS MANAGERS	419	0.22	463	44	10.50	55	99
13008 PURCHASING MANAGERS	423	0.23	456	33	7.80	40	73
13011 MARKETING, ADVERTISING, & PUBLIC RELATIONS MGRS.	1,508	0.80	1,709	201	13.33	230	431
13014 ADMINISTRATIVE SERVICES MANAGERS	484	0.26	548	64	13.22	95	159
13017 ENGINEERING, MATH, & NATURAL SCIENCES MANAGERS	2,720	1.45	3,154	434	15.96	515	949
15014 INDUSTRIAL PRODUCTION MANAGERS	2,734	1.46	3,195	461	16.86	530	991
19005 GENERAL MANAGERS & TOP EXECUTIVES	3,664	1.95	4,075	411	11.22	695	1,106
19999 ALL OTHER MANAGERS & ADMINISTRATORS	918	0.49	1,007	89	9.69	170	259
20000 PROFESSIONAL, PARAPROFESSIONAL, & TECH. OCCUPATIONS	**40,100**	**21.35**	**44,998**	**4,898**	**12.21**	**4,655**	**9,553**
21114 ACCOUNTANTS & AUDITORS	1,047	0.56	1,140	93	8.88	205	298
21117 BUDGET ANALYSTS	135	0.07	146	11	8.15	25	36
21199 ALL OTHER FINANCIAL SPECIALISTS	502	0.27	535	33	6.57	95	128
21305 PURCHASING AGENTS & BUYERS, FARM PRODUCTS	9	0.00	10	1	11.11	0	1
21308 PURCHASING AGENTS, EXC. WHOLESALE, RETAIL, & FARM	1,398	0.74	1,566	168	12.02	240	408
21511 PERSONNEL, TRAINING, & LABOR REL. SPECIALISTS	565	0.30	634	69	12.21	60	129
21902 COST ESTIMATORS	455	0.24	542	87	19.12	85	172
21911 COMPLIANCE & ENFORCEMENT INSPECTORS, EXC. CONST.	*	*	*	*	*	5	7
21999 ALL OTHER MANAGEMENT SUPPORT WORKERS	1,651	0.88	1,784	133	8.06	295	428
22102 AERONAUTICAL & ASTRONAUTICAL ENGINEERS	562	0.30	615	53	9.43	65	118
22105 METALLURGISTS & METALLURGICAL & MATRLS. ENGINEERS	103	0.05	115	12	11.65	10	22
22114 CHEMICAL ENGINEERS	86	0.05	98	12	13.95	15	27
22121 CIVIL ENGINEERS, INCLUDING TRAFFIC	28	0.01	29	1	3.57	5	6
22126 ELECTRICAL & ELECTRONIC ENGINEERS	5,073	2.70	5,901	828	16.32	495	1,323
22127 COMPUTER ENGINEERS	1,129	0.60	1,197	68	6.02	155	223
22128 INDUSTRIAL ENGINEERS, EXC. SAFETY	2,441	1.30	2,782	341	13.97	335	676
22132 SAFETY ENGINEERS, EXC. MINING	79	0.04	84	5	6.33	10	15
22135 MECHANICAL ENGINEERS	2,763	1.47	3,128	365	13.21	475	840

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ESTIMATED EMPLOYMENT AND JOB OPENINGS IN MANUFACTURING
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	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
22199 ALL OTHER ENGINEERS	3,232	1.72	3,472	240	7.43	450	690
22502 CIVIL ENGINEERING TECHNICIANS & TECHNOLOGISTS	33	0.02	35	2	6.06	5	7
22505 ELECTRICAL & ELECTRONIC ENGINEERING TECHS.	4,780	2.55	5,570	790	16.53	295	1,085
22508 INDUSTRIAL ENGINEERING TECHNICIANS/TECHNOLOGISTS	509	0.27	547	38	7.47	30	68
22511 MECHANICAL ENGINEERING TECHNICIANS/TECHNOLOGISTS	954	0.51	1,027	73	7.65	130	203
22514 DRAFTERS	879	0.47	947	68	7.74	60	128
22599 ALL OTHER ENGINEERING & RELATED TECHS.	3,121	1.66	3,383	262	8.39	280	542
24105 CHEMISTS, EXC. BIOCHEMISTS	111	0.06	127	16	14.41	10	26
24199 ALL OTHER PHYSICAL SCIENTISTS	144	0.08	164	20	13.89	0	20
24302 FORESTERS & CONSERVATION SCIENTISTS	*	*	*	*	*	0	0
24308 BIOLOGICAL SCIENTISTS	70	0.04	82	12	17.14	5	17
24399 ALL OTHER LIFE SCIENTISTS	25	0.01	30	5	20.00	5	10
24502 BIOLOGICAL, AGRI., & FOOD TECHS., EXC. HEALTH	25	0.01	27	2	8.00	0	2
24505 CHEMICAL TECHNICIANS & TECHNOLOGISTS, EXC. HEALTH	180	0.10	199	19	10.56	20	39
24599 ALL OTHER PHYSICAL & LIFE SCIENCE TECHS.	117	0.06	128	11	9.40	5	16
25102 SYSTEMS ANALYSTS, ELECTRONIC DATA PROCESSING	1,337	0.71	1,611	274	20.49	80	354
25105 COMPUTER PROGRAMMERS	1,485	0.79	1,694	209	14.07	50	259
25108 COMPUTER PROGRAMMER AIDES	311	0.17	367	56	18.01	10	66
25111 PROGRAMMERS -NUMERICAL, TOOL, & PROCESS CONTROL	30	0.02	34	4	13.33	0	4
25199 ALL OTHER COMPUTER SCIENTISTS	35	0.02	38	3	8.57	0	3
25302 OPERATIONS & SYSTEMS ANALYSTS, EXC. COMPUTER	159	0.08	185	26	16.35	10	36
25312 STATISTICIANS	8	0.00	10	2	25.00	0	2
28108 LAWYERS	*	*	*	*	*	0	2
31314 TEACHERS & INSTRUCTORS, VOCATIONAL ED. & TRAINING	*	*	*	*	*	0	0
31502 LIBRARIANS, PROFESSIONAL	5	0.00	5	0	0.00	0	0
32514 OPTICIANS, DISPENSING & MEASURING	*	*	*	*	*	0	1
32999 ALL OTHER HEALTH PARA/PROFESSIONALS & TECHNS.	106	0.06	115	9	8.49	20	29
34002 WRITERS & EDITORS	566	0.30	652	86	15.19	125	211
34005 TECHNICAL WRITERS	269	0.14	286	17	6.32	70	87
34008 PUBLIC RELATIONS SPECIALISTS & PUBLICITY WRITERS	14	0.01	16	2	14.29	5	7

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ESTIMATED EMPLOYMENT AND JOB OPENINGS IN MANUFACTURING
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	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
34011 REPORTERS & CORRESPONDENTS	543	0.29	636	93	17.13	90	183
34023 PHOTOGRAPHERS	86	0.05	106	20	23.26	15	35
34035 ARTISTS & RELATED WORKERS	383	0.20	432	49	12.79	50	99
34038 DESIGNERS, EXC. INTERIOR DESIGNERS	575	0.31	628	53	9.22	75	128
39999 ALL OTHER PROFESSIONAL, PARAPROFESSIONAL, & TECHN.	1,939	1.03	2,091	152	7.84	185	337
40000 SALES & RELATED OCCUPATIONS	**6,822**	**3.63**	**7,683**	**861**	**12.62**	**1,430**	**2,291**
41002 FIRST LINE SUPERVISORS & MGR./SUPERVISORS -SALES	807	0.43	905	98	12.14	160	258
43023 SALES AGENTS, ADVERTISING	1,040	0.55	1,201	161	15.48	230	391
49002 SALES ENGINEERS	572	0.30	609	37	6.47	165	202
49005 SALES REPS., SCIENTIFIC PROD. & SERV. EXC. RETAIL	755	0.40	810	55	7.28	150	205
49008 OTHER SALES REPRESENTATIVES, EXCEPT RETAIL	2,193	1.17	2,495	302	13.77	455	757
49011 SALESPERSONS, RETAIL	269	0.14	306	37	13.75	65	102
49023 CASHIERS	185	0.10	216	31	16.76	25	56
49026 NEWS/STREET VENDORS, PHONE SOLIC., DOOR-TO-DOOR	216	0.12	250	34	15.74	45	79
49999 ALL OTHER SALES & RELATED WORKERS	785	0.42	891	106	13.50	135	241
50000 CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	**21,724**	**11.57**	**23,598**	**1,874**	**8.63**	**2,965**	**4,839**
51002 FIRST LINE SUPERVISORS-CLERICAL & ADMIN. SUPPORT	1,509	0.80	1,633	124	8.22	210	334
53123 ADJUSTMENT CLERKS	498	0.27	572	74	14.86	40	114
53902 LIBRARY ASSISTANTS & BOOKMOBILE DRIVERS	*	*	*	*	*	0	1
53908 ADVERTISING CLERKS	220	0.12	263	43	19.55	25	68
53911 PROOFREADERS & COPY MARKERS	119	0.06	125	6	5.04	15	21
55100 SECRETARIES	3,117	1.66	3,223	106	3.40	555	661
55302 STENOGRAPHERS	21	0.01	17	-4	-19.05	5	1
55305 RECEPTIONISTS & INFORMATION CLERKS	342	0.18	389	47	13.74	45	92
55308 TYPISTS	153	0.08	152	-1	-0.65	15	14
55311 TYPISTS, WORD PROCESSING EQUIPMENT	237	0.13	230	-7	-2.95	25	18
55314 PERSONNEL CLERKS, EXC. PAYROLL & TIMEKEEPING	216	0.12	233	17	7.87	20	37
55321 FILE CLERKS	97	0.05	101	4	4.12	10	14

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ESTIMATED EMPLOYMENT AND JOB OPENINGS IN MANUFACTURING
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	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
55323 ORDER CLERKS-MATERIALS, MERCHANDISE, & SERVICE	590	0.31	629	39	6.61	60	99
55326 PROCUREMENT CLERKS	209	0.11	232	23	11.00	20	43
55328 STATISTICAL CLERKS	59	0.03	59	0	0.00	5	5
55332 INTERVIEWING CLERKS, EXC. PERSONNEL & WELFARE	*	*	*	*	*	0	2
55338 BOOKKEEPING, ACCOUNTING, & AUDITING CLERKS	2,228	1.19	2,460	232	10.41	455	687
55341 PAYROLL & TIMEKEEPING CLERKS	237	0.13	257	20	8.44	25	45
55344 BILLING, COST & RATE CLERKS	183	0.10	201	18	9.84	10	28
55347 GENERAL OFFICE CLERKS	3,351	1.78	3,726	375	11.19	575	950
56002 BILLING, POSTING, & CALCULATING MACHINE OPERATORS	24	0.01	26	2	8.33	0	2
56005 DUPLICATING MACHINE OPERATORS	11	0.01	13	2	18.18	0	2
56008 MAIL MACHINE OPERATORS, PREPARATION & HANDLING	27	0.01	31	4	14.81	0	4
56011 COMPUTER OPERATORS, EXC. PERIPHERAL EQUIPMENT	765	0.41	841	76	9.93	50	126
56014 PERIPHERAL EDP EQUIPMENT OPERATORS	68	0.04	73	5	7.35	5	10
56017 DATA ENTRY KEYERS, EXC. COMPOSING	591	0.31	594	3	0.51	30	33
56021 DATA KEYERS, COMPOSING	49	0.03	48	-1	-2.04	5	4
56099 ALL OTHER OFFICE MACHINE OPERATORS	189	0.10	198	9	4.76	20	29
57102 SWITCHBOARD OPERATORS	221	0.12	241	20	9.05	30	50
57302 MAIL CLERKS, EXC. MAIL MACH. OPERS. & POSTAL SERV.	51	0.03	55	4	7.84	5	9
57311 MESSENGERS	51	0.03	56	5	9.80	5	10
58005 DISPATCHERS-EXC. POLICE, FIRE, & AMBULANCE	169	0.09	186	17	10.06	15	32
58008 PRODUCTION, PLANNING, & EXPEDITING CLERKS	2,092	1.11	2,308	216	10.33	250	466
58017 WEIGHERS, MEASURERS, & CHECKERS - RECORDKEEPING	255	0.14	290	35	13.73	25	60
58021 MARKING CLERKS	7	0.00	7	0	0.00	0	0
58023 STOCK CLERKS-STOCKROOM, WAREHOUSE OR STORAGE YARD	1,669	0.89	1,813	144	8.63	160	304
58028 TRAFFIC, SHIPPING, & RECEIVING CLERKS	1,526	0.81	1,692	166	10.88	180	346
58099 ALL OTHER MATERIAL RECORDING/SCHEDULING/DISTRIB.	110	0.06	118	8	7.27	20	28
59999 ALL OTHER CLERICAL & ADMINISTRATIVE SUPPORT WKRS.	445	0.24	485	40	8.99	50	90
60000 SERVICE OCCUPATIONS	**2,372**	**1.26**	**2,569**	**197**	**8.31**	**715**	**912**
61099 ALL OTHER SERVICE SUPERVISORS & MGR./SUPERVISORS	256	0.14	285	29	11.33	50	79

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ESTIMATED EMPLOYMENT AND JOB OPENINGS IN MANUFACTURING
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	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
63047 GUARDS & WATCH GUARDS	682	0.36	702	20	2.93	260	280
65099 ALL OTHER FOOD SERVICE WORKERS	162	0.09	187	25	15.43	25	50
67005 JANITORS & CLEANERS, EXC. MAIDS & HOUSEKEEPING	1,085	0.58	1,187	102	9.40	330	432
67099 ALL OTHER CLEANING/BLDG. SERVICE EXC. PRIV. HOUSE.	33	0.02	35	2	6.06	10	12
69999 ALL OTHER SERVICE WORKERS	154	0.08	173	19	12.34	40	59
70000 AGRICULTURE, FORESTRY, & FISHERY OCCUPATIONS	**590**	**0.31**	**696**	**106**	**17.97**	**35**	**141**
72000 FIRST LINE SUPERVISORS	24	0.01	28	4	16.67	5	9
73002 FALLERS & BUCKERS	98	0.05	116	18	18.37	5	23
73005 CHOKE SETTERS	36	0.02	42	6	16.67	0	6
73008 LOG HANDLING EQUIPMENT OPERATORS	94	0.05	116	22	23.40	5	27
73011 LOGGING TRACTOR OPERATORS	108	0.06	128	20	18.52	5	25
73099 ALL OTHER TIMBER CUTTING & RELATED LOGGING WORKERS	52	0.03	61	9	17.31	0	9
79002 FOREST & CONSERVATION WORKERS	10	0.01	11	1	10.00	0	1
79008 LOG GRADERS & SCALERS	60	0.03	70	10	16.67	0	10
79011 GRADERS & SORTERS, AGRICULTURAL PRODUCTS	*	*	*	*	*	5	15
79999 ALL OTHER AG., FORESTRY, FISHING, & RELATED WKRS.	*	*	*	*	*	10	16
80000 PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	**102,505**	**54.58**	**110,582**	**8,077**	**7.88**	**11,790**	**19,867**
81002 FIRST LINE MGRS./SUPERS.- MECHS./INSTALLERS/REPRS.	568	0.30	619	51	8.98	105	156
81005 FIRST LINE MGRS./SUPERS.- CONST. TRADES & EXTRACT.	27	0.01	29	2	7.41	5	7
81008 FIRST LINE MGRS./SUPERS.- PRODUCTION & OPERATIVES	4,821	2.57	5,305	484	10.04	700	1,184
81011 FIRST LINE MGRS./SUPERS.- TRANSPORTATION OPERS.	244	0.13	268	24	9.84	25	49
81017 FIRST LINE MGRS./SUPERS.- LABORERS & HELPERS	191	0.10	207	16	8.38	20	36
81099 ALL OTHER FIRST LINE MGRS./SUPRS.-MAIN./PROD./CONST	173	0.09	184	11	6.36	25	36
83002 PRECISION INSPECTORS, TESTERS, & GRADERS	2,916	1.55	3,014	98	3.36	445	543
83005 PRODUCTION INSPECTORS, TESTERS, GRADERS, & SORTERS	3,331	1.77	3,455	124	3.72	475	599
83099 ALL OTHER INSPECTORS, TESTERS, & REL. OCCUPATIONS	2	0.00	2	0	0.00	0	0
85110 MACHINERY MAINTENANCE MECHANICS	1,253	0.67	1,515	262	20.91	150	412
85112 MACHINERY MAINTENANCE MECHANICS, TEXTILE MACHINES	*	*	*	*	*	5	15

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ESTIMATED EMPLOYMENT AND JOB OPENINGS IN MANUFACTURING
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	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
85113 MACHINERY MAINTENANCE MECHANICS, SEWING MACHINES	31	0.02	34	3	9.68	5	8
85118 MACHINERY MAINT. MECHS., WATER/POWER GENER. PLANTS	92	0.05	113	21	22.83	10	31
85119 ALL OTHER MACHINERY MAINTENANCE MECHANICS	35	0.02	42	7	20.00	5	12
85123 MILLWRIGHTS	91	0.05	109	18	19.78	15	33
85126 REFRACTORY MATERIALS REPAIRERS, EXC. BRICK MASONS	5	0.00	5	0	0.00	0	0
85128 MACHINERY MAINTENANCE WORKERS	221	0.12	261	40	18.10	30	70
85132 MAINTENANCE REPAIRERS, GENERAL UTILITY	1,158	0.62	1,342	184	15.89	185	369
85302 AUTOMOTIVE MECHANICS	149	0.08	166	17	11.41	15	32
85305 AUTOMOTIVE BODY & RELATED REPAIRERS	*	*	*	*	*	0	0
85311 BUS & TRUCK MECHANICS, & DIESEL ENGINE SPECIALISTS	457	0.24	513	56	12.25	40	96
85314 MOBILE HEAVY EQUIPMENT MECHANICS, EXCEPT ENGINES	93	0.05	105	12	12.90	15	27
85323 AIRCRAFT MECHANICS	299	0.16	321	22	7.36	35	57
85326 AIRCRAFT ENGINE SPECIALISTS	230	0.12	248	18	7.83	30	48
85599 ALL OTHER COMMUN. EQUIP. MECHS./INSTALLERS/REPRS.	4	0.00	4	0	0.00	0	0
85705 DATA PROCESSING EQUIPMENT REPAIRERS	63	0.03	70	7	11.11	0	7
85708 ELECTRONIC HOME ENTERTAINMENT EQUIPMENT REPAIRERS	*	*	*	*	*	0	0
85714 ELECTRIC MOTOR, TRANSFORMER, & RELATED REPAIRERS	38	0.02	46	8	21.05	5	13
85717 ELECTRONICS REPAIRERS, COMMERCIAL & INDUST. EQUIP.	504	0.27	561	57	11.31	100	157
85728 ELECTRICAL INSTALLERS & REPRS., TRANSPORT. EQUIP.	60	0.03	70	10	16.67	10	20
85902 HEATING, AIR COND., & REFRIG. MECHS. & INSTALLERS	86	0.05	95	9	10.47	10	19
85905 PRECISION INSTRUMENT REPAIRERS	210	0.11	238	28	13.33	80	108
85935 RIGGERS	*	*	*	*	*	5	9
85938 INSTALLERS/REPAIRERS-MANUFACTURED BLDGS./DWELLINGS	43	0.02	51	8	18.60	5	13
85947 COIN & VENDING MACHINE SERVICERS & REPAIRERS	94	0.05	109	15	15.96	15	30
85956 MENDERS -GARMENTS, LINENS, & RELATED	5	0.00	5	0	0.00	0	0
85999 ALL OTHER MECHANICS, INSTALLERS, & REPAIRERS	344	0.18	388	44	12.79	50	94
87102 CARPENTERS	459	0.24	544	85	18.52	60	145
87202 ELECTRICIANS	694	0.37	780	86	12.39	65	151
87302 BRICK MASONS	27	0.01	30	3	11.11	5	8
87311 CONCRETE & TERRAZZO FINISHERS	87	0.05	96	9	10.34	5	14

*SUPPRESSED DATA THAT IS CONFIDENTIAL

ESTIMATED EMPLOYMENT AND JOB OPENINGS IN MANUFACTURING
-STATEWIDE-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
87402 PAINTERS & PAPERHANGERS - CONST. & MAINTENANCE	142	0.08	164	22	15.49	20	42
87502 PLUMBERS, PIPEFITTERS, & STEAMFITTERS	195	0.10	219	24	12.31	25	49
87708 PAVING, SURFACING, & TAMPING EQUIPMENT OPERATORS	*	*	*	*	*	0	0
87802 INSULATION WORKERS	*	*	*	*	*	0	1
87899 ALL OTHER CONSTRUCTION TRADES WORKERS	25	0.01	26	1	4.00	0	1
87900 EXTRACTIVE & RELATED WORKERS -INC. BLASTERS	38	0.02	39	1	2.63	5	6
87999 ALL OTHER CONST./EXTRACT. WKRS. EXC. HELPERS	152	0.08	174	22	14.47	10	32
89102 TOOL & DIE MAKERS	883	0.47	968	85	9.63	350	435
89108 MACHINISTS	3,323	1.77	3,635	312	9.39	485	797
89111 TOOL GRINDERS, FILERS, SHARPENERS (PRECISION)	290	0.15	308	18	6.21	40	58
89114 PATTERN & MODEL MAKERS, METAL	12	0.01	13	1	8.33	5	6
89117 PRECISION LAYOUT WORKERS, METAL	110	0.06	122	12	10.91	85	97
89123 JEWELERS & SILVERSMITHS	109	0.06	129	20	18.35	15	35
89126 PRECISION HAND WORKERS, JEWELRY & RELATED PRODUCTS	8	0.00	9	1	12.50	0	1
89128 PRECISION ETCHERS & ENGRAVERS, HAND OR MACHINE	21	0.01	23	2	9.52	0	2
89132 SHEET METAL WORKERS	1,031	0.55	1,116	85	8.24	90	175
89135 BOILERMAKERS	*	*	*	*	*	5	11
89199 ALL OTHER PRECISION METAL WORKERS	194	0.10	209	15	7.73	35	50
89302 PATTERN & MODEL MAKERS, WOOD (EXC. CARPENTERS)	45	0.02	47	2	4.44	40	42
89305 PATTERN MARKERS, WOOD	13	0.01	15	2	15.38	0	2
89308 WOOD MACHINISTS	201	0.11	230	29	14.43	30	59
89311 CABINETMAKERS & BENCH CARPENTERS	732	0.39	843	111	15.16	120	231
89314 FURNITURE FINISHERS	250	0.13	284	34	13.60	50	84
89399 ALL OTHER PRECISION WOODWORKERS	72	0.04	77	5	6.94	5	10
89502 FABRIC/APPAREL PATTERNMAKERS & LAYOUT WORKERS	25	0.01	26	1	4.00	0	1
89505 CUSTOM TAILORS & SEWERS	12	0.01	12	0	0.00	5	5
89508 UPHOLSTERERS	176	0.09	208	32	18.18	25	57
89511 SHOE & LEATHER WORKERS & REPAIRERS -PRECISION	44	0.02	58	14	31.82	20	34
89517 PRESSERS, DELICATE FABRICS	9	0.00	9	0	0.00	0	0
89599 ALL OTHER PRECISION TEXTILE & APPAREL WORKERS	25	0.01	26	1	4.00	0	1

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ESTIMATED EMPLOYMENT AND JOB OPENINGS IN MANUFACTURING
-STATEWIDE-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
89702 PRECISION COMPOSITORS, TYPESETTERS, & ARRANGERS	275	0.15	301	26	9.45	75	101
89705 JOB PRINTERS	340	0.18	397	57	16.76	95	152
89706 PASTE-UP WORKERS	338	0.18	391	53	15.68	65	118
89707 ELECTRONIC PAGINATION SYSTEM WORKERS	48	0.03	54	6	12.50	10	16
89712 PHOTOENGRAVERS	53	0.03	60	7	13.21	10	17
89713 CAMERA OPERATORS	189	0.10	218	29	15.34	35	64
89715 SCANNER OPERATORS	50	0.03	57	7	14.00	10	17
89717 STRIPPERS	294	0.16	340	46	15.65	55	101
89718 PLATEMAKERS	57	0.03	65	8	14.04	10	18
89719 ALL OTHER LITHOGRAPHY & PHOTOENGRAVING WORKERS	*	*	*	*	*	5	10
89721 BOOKBINDERS	33	0.02	38	5	15.15	5	10
89799 ALL OTHER PRECISION PRINTING WORKERS	58	0.03	67	9	15.52	5	14
89802 SLAUGHTERERS & BUTCHERS	198	0.11	228	30	15.15	25	55
89805 BAKERS, MANUFACTURING	241	0.13	293	52	21.58	45	97
89808 FOOD BATCHMAKERS	239	0.13	279	40	16.74	95	135
89899 ALL OTHER PRECISION FOOD & TOBACCO WORKERS	5	0.00	6	1	20.00	0	1
89902 PRECISION FOUNDRY MOLD & CORE MAKERS	128	0.07	136	8	6.25	15	23
89905 PRECISION MOLDERS/CASTERS, EXC. JEWELRY & FOUNDRY	163	0.09	176	13	7.98	15	28
89911 PRECISION DETAIL DESIGN DECORATORS & PAINTERS	52	0.03	60	8	15.38	5	13
89914 PRECISION PHOTOGRAPHIC PROCESS WORKERS	23	0.01	27	4	17.39	0	4
89917 PRECISION OPTICAL GOODS WORKERS	149	0.08	174	25	16.78	10	35
89923 MEDICAL APPLIANCE MAKERS	65	0.03	73	8	12.31	10	18
89999 ALL OTHER PRECISION WORKERS	592	0.32	658	66	11.15	80	146
91102 SAWING MACHINE TOOL SET-UP OPERS. -METAL & PLASTIC	150	0.08	159	9	6.00	10	19
91105 LATHE/TURNING MACH. SET-UP OPERS. -METAL & PLASTIC	565	0.30	592	27	4.78	105	132
91108 DRILLING/BORING MACH. SET-UP OPERS. -METAL & PLAST.	274	0.15	288	14	5.11	60	74
91111 MILLING/PLANING MACH. SET-UP OPERS. -METAL & PLAST.	154	0.08	157	3	1.95	30	33
91114 GRINDING & BUFF. MACH. SET-UP OPRS. -METAL & PLAST.	454	0.24	474	20	4.41	75	95
91117 MACHINE TOOL CUTTING OPERS./TENDERS -METAL & PLAST.	1,750	0.93	1,807	57	3.26	275	332
91302 PUNCHING MACHINE SET-UP OPERS. -METAL & PLASTIC	174	0.09	188	14	8.05	15	29

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ESTIMATED EMPLOYMENT AND JOB OPENINGS IN MANUFACTURING
-STATEWIDE-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
91305 PRESS/PRESS BRAKE MACH. SET-UP OPRS.-METAL & PLAST.	233	0.12	259	26	11.16	20	46
91308 SHEAR/SLITTER MACH. SET-UP OPERS. -METAL & PLASTIC	73	0.04	82	9	12.33	5	14
91311 EXTRUDING/DRAWING MACH. SET-UP OPRS.-METAL & PLAST.	111	0.06	127	16	14.41	10	26
91314 ROLLING MACHINE SET-UP OPERATORS -METAL & PLASTIC	26	0.01	29	3	11.54	5	8
91317 FORGING MACHINE SET-UP OPERATORS -METAL & PLASTIC	46	0.02	51	5	10.87	15	20
91321 MACHINE FORMING OPERS. & TENDERS -METAL & PLASTIC	2,104	1.12	2,191	87	4.13	200	287
91502 NUMER. CONTROL MACHINE TOOL OPERS. -METAL & PLAST.	768	0.41	854	86	11.20	5	91
91505 COMBINATION MACH. TOOL SET-UP OPRS.-METAL & PLAST.	176	0.09	195	19	10.80	10	29
91508 COMBINATION MACHINE TOOL OPERS. -METAL & PLASTIC	200	0.11	216	16	8.00	15	31
91702 WELDING MACHINE SETTERS & SET-UP OPERATORS	148	0.08	150	2	1.35	10	12
91705 WELDING MACHINE OPERATORS & TENDERS	150	0.08	152	2	1.33	10	12
91711 SOLDERING & BRAZING MACHINE OPERATORS & TENDERS	40	0.02	41	1	2.50	5	6
91714 METAL FABRICATORS, STRUCTURAL METAL PRODUCTS	289	0.15	318	29	10.03	10	39
91902 PLASTIC MOLDING & CASTING MACHINE SET-UP OPERS.	177	0.09	218	41	23.16	20	61
91905 PLASTIC MOLDING & CASTING MACHINE OPERS. & TENDERS	926	0.49	1,155	229	24.73	100	329
91908 METAL MOLDING, COREMAKING, & CASTING MACH. SET-UP	75	0.04	80	5	6.67	5	10
91911 METAL MOLDING, COREMAKING, & CASTING MACHINE OPERS.	153	0.08	166	13	8.50	15	28
91914 FOUNDRY MOLD ASSEMBLY & SHAKEOUT WORKERS	56	0.03	58	2	3.57	5	7
91917 ELECTROLYTIC COATING MACH. SET-UP OPRS. -MTL. & PL.	321	0.17	341	20	6.23	20	40
91921 ELECTROLYTIC COATING MACH. OPERS. -METAL & PLASTIC	264	0.14	271	7	2.65	20	27
91923 NONELECTROLYTIC COATING MACH. SET-UP -MTL. & PLAST.	22	0.01	22	0	0.00	0	0
91926 NONELECTROLYTIC COATING MACH. OPRS. -METAL & PLAST.	43	0.02	46	3	6.98	5	8
91928 HEATING EQUIPMENT SET-UP OPERS. -METAL & PLASTIC	75	0.04	81	6	8.00	5	11
91932 HEAT TREATING/TEMPERING MACH. OPRS. -METAL & PLAST.	115	0.06	122	7	6.09	10	17
91935 FURNACE OPERATORS & TENDERS	99	0.05	107	8	8.08	10	18
91938 HEATERS, METAL & PLASTIC	68	0.04	79	11	16.18	5	16
92100 ALL OTHER METAL & PLASTIC MACHINE SETTERS/OPERATORS	532	0.28	556	24	4.51	95	119
92302 SAWING MACHINE SETTERS & SET-UP OPERATORS	123	0.07	147	24	19.51	5	29
92305 HEAD SAWYERS	60	0.03	71	11	18.33	5	16
92308 SAWING MACHINE OPERATORS & TENDERS	365	0.19	442	77	21.10	20	97

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ESTIMATED EMPLOYMENT AND JOB OPENINGS IN MANUFACTURING
-STATEWIDE-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
92311 WOODWORKING MACH. SET-UP OPERATORS, EXC. SAWING	85	0.05	96	11	12.94	5	16
92314 WOODWORKING MACHINE OPERS. & TENDERS, EXC. SAWING	323	0.17	375	52	16.10	5	57
92510 PRINTING PRESS MACHINE SETTERS & SET-UP OPERATORS	110	0.06	141	31	28.18	20	51
92512 OFFSET LITHOGRAPHIC PRESS SETTERS & SET-UP OPERS.	525	0.28	629	104	19.81	80	184
92515 LETTER PRESS SETTERS & SET-UP OPERATORS	395	0.21	428	33	8.35	60	93
92522 SPECIALTY MATERIALS PRINTING MACH. SET-UP OPERS.	50	0.03	62	12	24.00	15	27
92524 SCREEN PRINTING MACHINE SETTERS & SET-UP OPERS.	215	0.11	254	39	18.14	20	59
92525 BINDERY MACHINE SETTERS & SET-UP OPERATORS	296	0.16	340	44	14.86	30	74
92529 ALL OTHER PRINTING RELATED SETTERS & SET-UP OPERS.	81	0.04	89	8	9.88	10	18
92541 TYPESETTING & COMPOSING MACHINE OPERS. & TENDERS	376	0.20	443	67	17.82	105	172
92543 PRINTING PRESS MACHINE OPERATORS & TENDERS	1,082	0.58	1,244	162	14.97	165	327
92545 PHOTOENGRAVING & LITHOGRAPHING MACHINE OPERATORS	16	0.01	18	2	12.50	5	7
92546 BINDERY MACHINE OPERATORS	730	0.39	838	108	14.79	75	183
92549 ALL OTHER PRINTING, BINDING, & REL. MACH. OPERS.	105	0.06	120	15	14.29	10	25
92705 TEXTILE MACHINE OPERS. -WINDING,WEAVING/CUTTING	354	0.19	438	84	23.73	160	244
92714 TEXTILE BLEACHING & DYEING MACH. OPERS. & TENDERS	*	*	*	*	*	0	2
92717 SEWING MACHINE OPERATORS, GARMENT	1,922	1.02	2,025	103	5.36	270	373
92721 SEWING MACHINE OPERATORS, NON-GARMENT	822	0.44	883	61	7.42	115	176
92728 PRESSING MACHINE OPERS. -TEXTILE, GARMENTS, & REL.	36	0.02	38	2	5.56	10	12
92900 ALL OTHER MACH. SETTERS & OPERS. EXC. METAL/PLASTIC	3	0.00	4	1	33.33	0	1
92902 ELECTRONIC SEMICONDUCTOR PROCESSORS	4,019	2.14	3,980	-39	-0.97	375	336
92908 PHOTOGRAPHIC PROCESSING MACHINE OPERS. & TENDERS	6	0.00	6	0	0.00	0	0
92914 PAPER GOODS MACHINE SETTERS & SET-UP OPERATORS	277	0.15	344	67	24.19	40	107
92917 COOKING MACHINE OPERS. & TENDERS, FOOD & TOBACCO	81	0.04	89	8	9.88	10	18
92921 ROASTING, BAKING, & DRYING MACH. OPERS., FOOD	159	0.08	178	19	11.95	10	29
92923 FURNACE, KILN, OVEN, DRIER, OR KETTLE OPERATORS	101	0.05	107	6	5.94	10	16
92926 BOILER OPERATORS & TENDERS, LOW PRESSURE	30	0.02	35	5	16.67	5	10
92928 COOLING & FREEZING EQUIPMENT OPERATORS & TENDERS	79	0.04	93	14	17.72	10	24
92932 DAIRY PROCESSING EQUIPMENT OPERS. INCL. SETTERS	78	0.04	91	13	16.67	10	23
92935 CHEMICAL EQUIPMENT CONTROLLERS & OPERATORS	48	0.03	56	8	16.67	5	13

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ESTIMATED EMPLOYMENT AND JOB OPENINGS IN MANUFACTURING
-STATEWIDE-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
92938 CHEMICAL EQUIPMENT TENDERS	66	0.04	78	12	18.18	5	17
92941 CUTTING & SLICING MACH. SETTERS & SET-UP OPERATORS	248	0.13	269	21	8.47	35	56
92944 CUTTING & SLICING MACHINE OPERATORS & TENDERS	303	0.16	335	32	10.56	45	77
92947 PAINTERS, TRANSPORTATION EQUIPMENT	38	0.02	37	-1	-2.63	5	4
92951 COATING, PAINTING, & SPRAYING MACHINE SET-UP OPRS.	218	0.12	246	28	12.84	15	43
92953 COATING, PAINTING, & SPRAYING MACHINE OPERATORS	399	0.21	454	55	13.78	30	85
92956 CEMENTING & GLUING MACHINE OPERATORS & TENDERS	136	0.07	158	22	16.18	5	27
92958 CLEANING, WASHING, & PICKLING EQUIPMENT OPERATORS	180	0.10	197	17	9.44	5	22
92962 SEPARATING, FILTERING, & CLARIFYING MACH. OPERS.	104	0.06	114	10	9.62	10	20
92965 CRUSHING, GRINDING, & MIXING MACHINE OPERATORS	918	0.49	985	67	7.30	130	197
92968 EXTRUDING, FORMING, & PRESSING MACH. SET-UP OPERS.	323	0.17	387	64	19.81	35	99
92971 EXTRUDING, FORMING, & PRESSING MACHINE OPERATORS	480	0.26	594	114	23.75	55	169
92974 PACKAGING & FILLING MACHINE OPERATORS & TENDERS	1,492	0.79	1,630	138	9.25	130	268
92997 ALL OTHER MACHINE SETTERS & SET-UP OPERATORS	271	0.14	306	35	12.92	25	60
92998 ALL OTHER MACHINE OPERATORS & TENDERS	1,261	0.67	1,406	145	11.50	115	260
93102 AIRCRAFT STRUCTURE & SYSTEMS ASSEMBLERS -PRECISION	161	0.09	168	7	4.35	10	17
93105 MACHINE BUILDERS & PRECISION MACHINE ASSEMBLERS	622	0.33	609	-13	-2.09	45	32
93108 FITTERS, STRUCTURAL METAL -PRECISION	118	0.06	129	11	9.32	10	21
93111 ELECTROMECHANICAL EQUIPMENT ASSEMBLERS -PRECISION	2,072	1.10	2,105	33	1.59	160	193
93114 ELECTRICAL/ELECTRONIC EQUIP. ASSEMBLERS -PRECISION	6,396	3.41	5,622	-774	-12.10	465	-309
93197 ALL OTHER PRECISION ASSEMBLERS, METAL	860	0.46	915	55	6.40	85	140
93902 MACHINE ASSEMBLERS	827	0.44	825	-2	-0.24	60	58
93905 ELECTRICAL & ELECTRONIC ASSEMBLERS	2,165	1.15	1,876	-289	-13.35	150	-139
93908 COIL WINDERS, TAPERS, & FINISHERS	227	0.12	232	5	2.20	20	25
93911 GLAZIERS, MANUFACTURING	159	0.08	176	17	10.69	15	32
93914 WELDERS & CUTTERS	1,104	0.59	1,152	48	4.35	80	128
93917 SOLDERERS & BRAZERS	73	0.04	77	4	5.48	5	9
93921 PRESSERS, HAND	14	0.01	14	0	0.00	0	0
93923 SEWERS, HAND	55	0.03	59	4	7.27	0	4
93926 CUTTERS & TRIMMERS, HAND	287	0.15	340	53	18.47	5	58

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ESTIMATED EMPLOYMENT AND JOB OPENINGS IN MANUFACTURING
-STATEWIDE-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
93928 PORTABLE MACHINE CUTTERS	30	0.02	31	1	3.33	0	1
93935 CANNERY WORKERS	146	0.08	172	26	17.81	15	41
93938 MEAT, POULTRY, & FISH CUTTERS & TRIMMERS -HAND	214	0.11	262	48	22.43	0	48
93941 METAL POURERS & CASTERS, BASIC SHAPES	53	0.03	55	2	3.77	0	2
93944 MOLDERS & CASTERS, HAND	142	0.08	162	20	14.08	5	25
93947 PAINTING, COATING, & DECORATING WORKERS, HAND	218	0.12	240	22	10.09	35	57
93951 ENGRAVING & PRINTING WORKERS, HAND	8	0.00	8	0	0.00	0	0
93953 GRINDING & POLISHING WORKERS, HAND	565	0.30	595	30	5.31	100	130
93956 ASSEMBLERS/FABRICATORS -EX. MACH., ELECT., PRECI.	8,275	4.41	9,227	952	11.50	655	1,607
93999 ALL OTHER HAND WORKERS	1,142	0.61	1,262	120	10.51	110	230
95008 CHEMICAL PLANT & SYSTEM OPERATORS	32	0.02	33	1	3.13	5	6
95028 POWER DISTRIBUTORS & DISPATCHERS	93	0.05	108	15	16.13	15	30
95032 STATIONARY ENGINEERS	34	0.02	41	7	20.59	5	12
95099 ALL OTHER PLANT & SYSTEM OPERATORS	159	0.08	159	0	0.00	30	30
97102 TRUCK DRIVERS, HEAVY OR TRACTOR TRAILER	2,824	1.50	3,252	428	15.16	280	708
97105 TRUCK DRIVERS, LIGHT-INCL. DELIVERY & ROUTE WKRS.	1,057	0.56	1,257	200	18.92	75	275
97117 DRIVER/SALES WORKERS	791	0.42	910	119	15.04	105	224
97199 ALL OTHER MOTOR VEHICLE OPERATORS	105	0.06	118	13	12.38	20	33
97899 ALL OTHER TRANSPORTATION & RELATED WORKERS	82	0.04	91	9	10.98	15	24
97938 GRADER, DOZER, & SCRAPER OPERATORS	68	0.04	74	6	8.82	10	16
97941 HOIST & WINCH OPERATORS	*	*	*	*	*	0	1
97944 CRANE & TOWER OPERATORS	118	0.06	133	15	12.71	10	25
97947 INDUSTRIAL TRUCK & TRACTOR OPERATORS	971	0.52	1,060	89	9.17	50	139
97951 CONVEYOR OPERATORS & TENDERS	185	0.10	207	22	11.89	15	37
97953 PUMP OPERATORS	6	0.00	6	0	0.00	0	0
97956 OPERATING ENGINEERS	358	0.19	395	37	10.34	50	87
97989 ALL OTHER TRANSPORT./MATL. MOVING EQUIP. OPERS.	312	0.17	353	41	13.14	60	101
97999 ALL OTHER MATERIAL MOVING EQUIPMENT-OPERATORS	4	0.00	5	1	25.00	0	1
98102 MECHANIC & REPAIRER HELPERS	208	0.11	228	20	9.62	10	30
98319 HELPERS -ALL OTHER CONSTRUCTION TRADES	186	0.10	212	26	13.98	10	36

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ESTIMATED EMPLOYMENT AND JOB OPENINGS IN MANUFACTURING
-STATEWIDE-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
98502 MACHINE FEEDERS & OFFBEARERS	1,313	0.70	1,434	121	9.22	100	221
98799 ALL OTHER FREIGHT, STOCK, & MATERIAL MOVERS, HAND	2,368	1.26	2,551	183	7.73	110	293
98902 HAND PACKERS & PACKAGERS	1,763	0.94	1,855	92	5.22	110	202
98905 VEHICLE WASHERS & EQUIPMENT CLEANERS	93	0.05	107	14	15.05	5	19
98999 ALL OTHER HELPERS, LABORERS, & MATL. MOVERS, HAND	2,223	1.18	2,501	278	12.51	255	533
TOTAL OF ALL OCCUPATIONS	**187,799**	**100.00**	**205,622**	**17,823**	**9.49**	**24,025**	**41,848**

*SUPPRESSED DATA THAT IS CONFIDENTIAL

ESTIMATED EMPLOYMENT AND JOB OPENINGS IN MANUFACTURING
-APACHE COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
10000 MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	**19**	**2.17**	**23**	**4**	**21.05**	**0**	**4**
15014 INDUSTRIAL PRODUCTION MANAGERS	5	0.57	7	2	40.00	0	2
19005 GENERAL MANAGERS & TOP EXECUTIVES	9	1.03	11	2	22.22	0	2
19999 ALL OTHER MANAGERS & ADMINISTRATORS	5	0.57	5	0	0.00	0	0
20000 PROFESSIONAL, PARAPROFESSIONAL, & TECH. OCCUPATIONS	**30**	**3.43**	**43**	**13**	**43.33**	**0**	**13**
21199 ALL OTHER FINANCIAL SPECIALISTS	3	0.34	3	0	0.00	0	0
21999 ALL OTHER MANAGEMENT SUPPORT WORKERS	4	0.46	4	0	0.00	0	0
22126 ELECTRICAL & ELECTRONIC ENGINEERS	5	0.57	7	2	40.00	0	2
22505 ELECTRICAL & ELECTRONIC ENGINEERING TECHS.	10	1.14	17	7	70.00	0	7
39999 ALL OTHER PROFESSIONAL, PARAPROFESSIONAL, & TECHN.	8	0.91	12	4	50.00	0	4
50000 CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	**97**	**11.09**	**132**	**35**	**36.08**	**0**	**35**
55100 SECRETARIES	9	1.03	12	3	33.33	0	3
55323 ORDER CLERKS-MATERIALS, MERCHANDISE, & SERVICE	*	*	*	*	*	0	1
55338 BOOKKEEPING, ACCOUNTING, & AUDITING CLERKS	8	0.91	11	3	37.50	0	3
55347 GENERAL OFFICE CLERKS	13	1.49	17	4	30.77	0	4
57199 ALL OTHER COMMUNICATIONS EQUIPMENT OPERATORS	1	0.11	1	0	0.00	0	0
58008 PRODUCTION, PLANNING, & EXPEDITING CLERKS	10	1.14	14	4	40.00	0	4
58023 STOCK CLERKS-STOCKROOM, WAREHOUSE OR STORAGE YARD	21	2.40	32	11	52.38	0	11
58028 TRAFFIC, SHIPPING, & RECEIVING CLERKS	18	2.06	23	5	27.78	0	5
58099 ALL OTHER MATERIAL RECORDING/SCHEDULING/DISTRIB.	2	0.23	2	0	0.00	0	0
59999 ALL OTHER CLERICAL & ADMINISTRATIVE SUPPORT WKRS.	*	*	*	*	*	0	4
60000 SERVICE OCCUPATIONS	**11**	**1.26**	**14**	**3**	**27.27**	**0**	**3**
63099 ALL OTHER PROTECTIVE SERVICE WORKERS	2	0.23	2	0	0.00	0	0
65099 ALL OTHER FOOD SERVICE WORKERS	3	0.34	4	1	33.33	0	1
67005 JANITORS & CLEANERS, EXC. MAIDS & HOUSEKEEPING	6	0.69	8	2	33.33	0	2

*SUPPRESSED DATA THAT IS CONFIDENTIAL

ESTIMATED EMPLOYMENT AND JOB OPENINGS IN MANUFACTURING
-APACHE COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
70000 AGRICULTURE, FORESTRY, & FISHERY OCCUPATIONS	**99**	**11.31**	**119**	**20**	**20.20**	**0**	**20**
72000 FIRST LINE SUPERVISORS	7	0.80	8	1	14.29	0	1
73002 FALLERS & BUCKERS	*	*	*	*	*	0	3
73005 CHOKE SETTERS	*	*	*	*	*	0	2
73008 LOG HANDLING EQUIPMENT OPERATORS	19	2.17	24	5	26.32	0	5
73011 LOGGING TRACTOR OPERATORS	27	3.09	33	6	22.22	0	6
73099 ALL OTHER TIMBER CUTTING & RELATED LOGGING WORKERS	*	*	*	*	*	0	2
79008 LOG GRADERS & SCALERS	*	*	*	*	*	0	1
80000 PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	**619**	**70.74**	**774**	**155**	**25.04**	**60**	**215**
81008 FIRST LINE MGRS./SUPERS.- PRODUCTION & OPERATIVES	34	3.89	48	14	41.18	5	19
81099 ALL OTHER FIRST LINE MGRS./SUPRS.-MAIN./PROD./CONST	4	0.46	5	1	25.00	0	1
83002 PRECISION INSPECTORS, TESTERS, & GRADERS	55	6.29	78	23	41.82	10	33
83005 PRODUCTION INSPECTORS, TESTERS, GRADERS, & SORTERS	6	0.69	7	1	16.67	0	1
85110 MACHINERY MAINTENANCE MECHANICS	10	1.14	14	4	40.00	0	4
85128 MACHINERY MAINTENANCE WORKERS	6	0.69	8	2	33.33	0	2
85314 MOBILE HEAVY EQUIPMENT MECHANICS, EXCEPT ENGINES	15	1.71	18	3	20.00	5	8
85935 RIGGERS	*	*	*	*	*	5	11
85999 ALL OTHER MECHANICS, INSTALLERS, & REPAIRERS	2	0.23	2	0	0.00	0	0
87899 ALL OTHER CONSTRUCTION TRADES WORKERS	3	0.34	3	0	0.00	0	0
89199 ALL OTHER PRECISION METAL WORKERS	3	0.34	3	0	0.00	0	0
89399 ALL OTHER PRECISION WOODWORKERS	3	0.34	4	1	33.33	0	1
91117 MACHINE TOOL CUTTING OPERS./TENDERS -METAL & PLAST.	47	5.37	56	9	19.15	10	19
92305 HEAD SAWYERS	*	*	*	*	*	0	2
92308 SAWING MACHINE OPERATORS & TENDERS	*	*	*	*	*	0	8
92314 WOODWORKING MACHINE OPERS. & TENDERS, EXC. SAWING	*	*	*	*	*	0	4
92900 ALL OTHER MACH. SETTERS & OPERS. EXC. METAL/PLASTIC	1	0.11	1	0	0.00	0	0
92923 FURNACE, KILN, OVEN, DRIER, OR KETTLE OPERATORS	*	*	*	*	*	0	1
92926 BOILER OPERATORS & TENDERS, LOW PRESSURE	6	0.69	7	1	16.67	0	1
93114 ELECTRICAL/ELECTRONIC EQUIP. ASSEMBLERS -PRECISION	262	29.94	322	60	22.90	20	80

ESTIMATED EMPLOYMENT AND JOB OPENINGS IN MANUFACTURING
-APACHE COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
97102 TRUCK DRIVERS, HEAVY OR TRACTOR TRAILER	27	3.09	34	7	25.93	5	12
97938 GRADER, DOZER, & SCRAPER OPERATORS	*	*	*	*	*	0	1
97999 ALL OTHER MATERIAL MOVING EQUIPMENT OPERATORS	6	0.69	7	1	16.67	0	1
98502 MACHINE FEEDERS & OFFBEARERS	8	0.91	10	2	25.00	0	2
98799 ALL OTHER FREIGHT, STOCK, & MATERIAL MOVERS, HAND	17	1.94	19	2	11.76	0	2
98999 ALL OTHER HELPERS, LABORERS, & MATL. MOVERS, HAND	9	1.03	11	2	22.22	0	2
TOTAL OF ALL OCCUPATIONS	**875**	**100.00**	**1,105**	**230**	**26.29**	**60**	**290**

*SUPPRESSED DATA THAT IS CONFIDENTIAL

ESTIMATED EMPLOYMENT AND JOB OPENINGS IN MANUFACTURING
-COCHISE COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
10000 MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	**115**	**8.81**	**137**	**22**	**19.13**	**15**	**37**
13002 FINANCIAL MANAGERS	10	0.77	11	1	10.00	0	1
13005 PERSONNEL, TRAINING, & LABOR RELATIONS MANAGERS	5	0.38	6	1	20.00	0	1
13011 MARKETING, ADVERTISING, & PUBLIC RELATIONS MGRS.	12	0.92	14	2	16.67	0	2
13017 ENGINEERING, MATH, & NATURAL SCIENCES MANAGERS	9	0.69	11	2	22.22	0	2
15014 INDUSTRIAL PRODUCTION MANAGERS	22	1.69	28	6	27.27	5	11
19005 GENERAL MANAGERS & TOP EXECUTIVES	50	3.83	60	10	20.00	10	20
19999 ALL OTHER MANAGERS & ADMINISTRATORS	7	0.54	7	0	0.00	0	0
20000 PROFESSIONAL, PARAPROFESSIONAL, & TECH. OCCUPATIONS	**146**	**11.19**	**172**	**26**	**17.81**	**10**	**36**
21114 ACCOUNTANTS & AUDITORS	11	0.84	12	1	9.09	0	1
21308 PURCHASING AGENTS, EXC. WHOLESALE, RETAIL, & FARM	8	0.61	9	1	12.50	0	1
21999 ALL OTHER MANAGEMENT SUPPORT WORKERS	4	0.31	4	0	0.00	0	0
22126 ELECTRICAL & ELECTRONIC ENGINEERS	14	1.07	19	5	35.71	0	5
22127 COMPUTER ENGINEERS	*	*	*	*	*	0	1
22128 INDUSTRIAL ENGINEERS, EXC. SAFETY	9	0.69	10	1	11.11	0	1
22199 ALL OTHER ENGINEERS	6	0.46	7	1	16.67	0	1
22505 ELECTRICAL & ELECTRONIC ENGINEERING TECHS.	14	1.07	17	3	21.43	0	3
22508 INDUSTRIAL ENGINEERING TECHNICIANS/TECHNOLOGISTS	5	0.38	6	1	20.00	0	1
22514 DRAFTERS	10	0.77	11	1	10.00	0	1
22599 ALL OTHER ENGINEERING & RELATED TECHS.	2	0.15	3	1	50.00	0	1
24105 CHEMISTS, EXC. BIOCHEMISTS	6	0.46	7	1	16.67	0	1
24599 ALL OTHER PHYSICAL & LIFE SCIENCE TECHS	3	0.23	3	0	0.00	0	0
34002 WRITERS & EDITORS	11	0.84	13	2	18.18	5	7
34011 REPORTERS & CORRESPONDENTS	19	1.46	23	4	21.05	5	9
34038 DESIGNERS, EXC. INTERIOR DESIGNERS	5	0.38	6	1	20.00	0	1
39999 ALL OTHER PROFESSIONAL, PARAPROFESSIONAL, & TECHN.	9	0.69	11	2	22.22	0	2

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ESTIMATED EMPLOYMENT AND JOB OPENINGS IN MANUFACTURING
-COCHISE COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
40000 SALES & RELATED OCCUPATIONS	**43**	**3.30**	**50**	**7**	**16.28**	**5**	**12**
41002 FIRST LINE SUPERVISORS & MGR./SUPERVISORS -SALES	10	0.77	12	2	20.00	0	2
43023 SALES AGENTS, ADVERTISING	17	1.30	21	4	23.53	5	9
49005 SALES REPS., SCIENTIFIC PROD. & SERV. EXC. RETAIL	6	0.46	7	1	16.67	0	1
49999 ALL OTHER SALES & RELATED WORKERS	10	0.77	10	0	0.00	0	0
50000 CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	**170**	**13.03**	**192**	**22**	**12.94**	**15**	**37**
51002 FIRST LINE SUPERVISORS-CLERICAL & ADMIN. SUPPORT	6	0.46	7	1	16.67	0	1
53908 ADVERTISING CLERKS	*	*	*	*	*	0	1
55100 SECRETARIES	18	1.38	19	1	5.56	5	6
55338 BOOKKEEPING, ACCOUNTING, & AUDITING CLERKS	25	1.92	30	5	20.00	5	10
55341 PAYROLL & TIMEKEEPING CLERKS	6	0.46	7	1	16.67	0	1
55347 GENERAL OFFICE CLERKS	38	2.91	44	6	15.79	5	11
56099 ALL OTHER OFFICE MACHINE OPERATORS	7	0.54	7	0	0.00	0	0
57199 ALL OTHER COMMUNICATIONS EQUIPMENT OPERATORS	3	0.23	3	0	0.00	0	0
58023 STOCK CLERKS-STOCKROOM, WAREHOUSE OR STORAGE YARD	20	1.53	23	3	15.00	0	3
58028 TRAFFIC, SHIPPING, & RECEIVING CLERKS	10	0.77	11	1	10.00	0	1
58099 ALL OTHER MATERIAL RECORDING/SCHEDULING/DISTRIB.	7	0.54	8	1	14.29	0	1
59999 ALL OTHER CLERICAL & ADMINISTRATIVE SUPPORT WKRS.	24	1.84	26	2	8.33	0	2
60000 SERVICE OCCUPATIONS	**14**	**1.07**	**15**	**1**	**7.14**	**0**	**1**
61099 ALL OTHER SERVICE SUPERVISORS & MGR./SUPERVISORS	6	0.46	7	1	16.67	0	1
67005 JANITORS & CLEANERS, EXC. MAIDS & HOUSEKEEPING	8	0.61	8	0	0.00	0	0
80000 PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	**817**	**62.61**	**938**	**121**	**14.81**	**60**	**181**
81002 FIRST LINE MGRS./SUPERS.- MECHS./INSTALLERS/REPRS.	5	0.38	5	0	0.00	0	0
81008 FIRST LINE MGRS./SUPERS.- PRODUCTION & OPERATIVES	45	3.45	51	6	13.33	5	11
81099 ALL OTHER FIRST LINE MGRS./SUPRS.-MAIN./PROD./CONST	6	0.46	6	0	0.00	0	0
83005 PRODUCTION INSPECTORS, TESTERS, GRADERS, & SORTERS	32	2.45	37	5	15.63	5	10

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ESTIMATED EMPLOYMENT AND JOB OPENINGS IN MANUFACTURING
-COCHISE COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
83099 ALL OTHER INSPECTORS, TESTERS, & REL. OCCUPATIONS	3	0.23	4	1	33.33	0	1
85110 MACHINERY MAINTENANCE MECHANICS	31	2.38	39	8	25.81	5	13
85119 ALL OTHER MACHINERY MAINTENANCE MECHANICS	4	0.31	5	1	25.00	0	1
85123 MILLWRIGHTS	*	*	*	*	*	5	12
85128 MACHINERY MAINTENANCE WORKERS	*	*	*	*	*	0	2
85132 MAINTENANCE REPAIRERS, GENERAL UTILITY	23	1.76	27	4	17.39	5	9
85311 BUS & TRUCK MECHANICS, & DIESEL ENGINE SPECIALISTS	8	0.61	9	1	12.50	0	1
85999 ALL OTHER MECHANICS, INSTALLERS, & REPAIRERS	8	0.61	9	1	12.50	0	1
87899 ALL OTHER CONSTRUCTION TRADES WORKERS	4	0.31	5	1	25.00	0	1
87999 ALL OTHER CONST./EXTRACT. WKRS. EXC. HELPERS	4	0.31	4	0	0.00	0	0
89108 MACHINISTS	19	1.46	22	3	15.79	5	8
89308 WOOD MACHINISTS	*	*	*	*	*	0	2
89706 PASTE-UP WORKERS	11	0.84	13	2	18.18	0	2
89713 CAMERA OPERATORS	6	0.46	7	1	16.67	0	1
89799 ALL OTHER PRECISION PRINTING WORKERS	8	0.61	8	0	0.00	0	0
89802 SLAUGHTERERS & BUTCHERS	*	*	*	*	*	0	1
89999 ALL OTHER PRECISION WORKERS	1	0.08	1	0	0.00	0	0
92100 ALL OTHER METAL & PLASTIC MACHINE SETTERS/OPERATORS	1	0.08	1	0	0.00	0	0
92512 OFFSET LITHOGRAPHIC PRESS SETTERS & SET-UP OPERS.	7	0.54	8	1	14.29	0	1
92541 TYPESETTING & COMPOSING MACHINE OPERS. & TENDERS	5	0.38	6	1	20.00	0	1
92549 ALL OTHER PRINTING, BINDING, & REL. MACH. OPERS.	3	0.23	3	0	0.00	0	0
92717 SEWING MACHINE OPERATORS, GARMENT	*	*	*	*	*	5	11
92900 ALL OTHER MACH. SETTERS & OPERS. EXC. METAL/PLASTIC	6	0.46	7	1	16.67	0	1
92923 FURNACE, KILN, OVEN, DRIER, OR KETTLE OPERATORS	*	*	*	*	*	0	1
92953 COATING, PAINTING, & SPRAYING MACHINE OPERATORS	16	1.23	19	3	18.75	0	3
92965 CRUSHING, GRINDING, & MIXING MACHINE OPERATORS	13	1.00	13	0	0.00	0	0
92971 EXTRUDING, FORMING, & PRESSING MACHINE OPERATORS	*	*	*	*	*	0	3
92974 PACKAGING & FILLING MACHINE OPERATORS & TENDERS	*	*	*	*	*	0	1
93114 ELECTRICAL/ELECTRONIC EQUIP. ASSEMBLERS -PRECISION	23	1.76	22	-1	-4.35	0	-1

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ESTIMATED EMPLOYMENT AND JOB OPENINGS IN MANUFACTURING
-COCHISE COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
93197 ALL OTHER PRECISION ASSEMBLERS, METAL	4	0.31	5	1	25.00	0	1
93905 ELECTRICAL & ELECTRONIC ASSEMBLERS	86	6.59	82	-4	-4.65	5	1
93908 COIL WINDERS, TAPERS, & FINISHERS	*	*	*	*	*	0	2
93914 WELDERS & CUTTERS	5	0.38	6	1	20.00	0	1
93935 CANNERY WORKERS	*	*	*	*	*	0	4
93956 ASSEMBLERS/FABRICATORS -EX. MACH., ELECT., PRECI.	*	*	*	*	*	0	1
93999 ALL OTHER HAND WORKERS	107	8.20	137	30	28.04	10	40
95008 CHEMICAL PLANT & SYSTEM OPERATORS	*	*	*	*	*	0	2
95099 ALL OTHER PLANT & SYSTEM OPERATORS	3	0.23	3	0	0.00	0	0
97102 TRUCK DRIVERS, HEAVY OR TRACTOR TRAILER	70	5.36	80	10	14.29	5	15
97105 TRUCK DRIVERS, LIGHT-INCL. DELIVERY & ROUTE WKRS.	7	0.54	7	0	0.00	0	0
97199 ALL OTHER MOTOR VEHICLE OPERATORS	4	0.31	5	1	25.00	0	1
97938 GRADER, DOZER, & SCRAPER OPERATORS	*	*	*	*	*	0	0
97947 INDUSTRIAL TRUCK & TRACTOR OPERATORS	11	0.84	14	3	27.27	0	3
97956 OPERATING ENGINEERS	*	*	*	*	*	0	0
97999 ALL OTHER MATERIAL MOVING EQUIPMENT OPERATORS	6	0.46	6	0	0.00	0	0
98319 HELPERS -ALL OTHER CONSTRUCTION TRADES	7	0.54	8	1	14.29	0	1
98502 MACHINE FEEDERS & OFFBEARERS	*	*	*	*	*	0	2
98799 ALL OTHER FREIGHT, STOCK, & MATERIAL MOVERS, HAND	5	0.38	5	0	0.00	0	0
98999 ALL OTHER HELPERS, LABORERS, & MATL. MOVERS, HAND	33	2.53	38	5	15.15	5	10
TOTAL OF OCCUPATIONS	**1,305**	**100.00**	**1,504**	**199**	**15.25**	**105**	**304**

ESTIMATED EMPLOYMENT AND JOB OPENINGS IN MANUFACTURING
-COCONINO COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
10000 MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	**201**	**7.26**	**248**	**47**	**23.38**	**30**	**77**
13002 FINANCIAL MANAGERS	8	0.29	8	0	0.00	0	0
13008 PURCHASING MANAGERS	7	0.25	8	1	14.29	0	1
13011 MARKETING, ADVERTISING, & PUBLIC RELATIONS MGRS.	14	0.51	16	2	14.29	0	2
13017 ENGINEERING, MATH, & NATURAL SCIENCES MANAGERS	9	0.33	11	2	22.22	0	2
15014 INDUSTRIAL PRODUCTION MANAGERS	59	2.13	80	21	35.59	10	31
19005 GENERAL MANAGERS & TOP EXECUTIVES	73	2.64	87	14	19.18	15	29
19999 ALL OTHER MANAGERS & ADMINISTRATORS	31	1.12	38	7	22.58	5	12
20000 PROFESSIONAL, PARAPROFESSIONAL, & TECH. OCCUPATIONS	**340**	**12.28**	**430**	**90**	**26.47**	**35**	**125**
21114 ACCOUNTANTS & AUDITORS	10	0.36	13	3	30.00	0	3
21199 ALL OTHER FINANCIAL SPECIALISTS	3	0.11	4	1	33.33	0	1
21308 PURCHASING AGENTS, EXC. WHOLESALE, RETAIL, & FARM	9	0.33	11	2	22.22	0	2
21511 PERSONNEL, TRAINING, & LABOR REL. SPECIALISTS	14	0.51	19	5	35.71	0	5
21999 ALL OTHER MANAGEMENT SUPPORT WORKERS	21	0.76	27	6	28.57	5	11
22114 CHEMICAL ENGINEERS	10	0.36	14	4	40.00	0	4
22128 INDUSTRIAL ENGINEERS, EXC. SAFETY	20	0.72	25	5	25.00	5	10
22135 MECHANICAL ENGINEERS	21	0.76	27	6	28.57	5	11
22199 ALL OTHER ENGINEERS	14	0.51	17	3	21.43	0	3
22505 ELECTRICAL & ELECTRONIC ENGINEERING TECHS.	5	0.18	7	2	40.00	0	2
22508 INDUSTRIAL ENGINEERING TECHNICIANS/TECHNOLOGISTS	*	*	*	*	*	0	2
22511 MECHANICAL ENGINEERING TECHNICIANS/TECHNOLOGISTS	12	0.43	14	2	16.67	0	2
22514 DRAFTERS	5	0.18	6	1	20.00	0	1
22599 ALL OTHER ENGINEERING & RELATED TECHS.	5	0.18	6	1	20.00	0	1
24199 ALL OTHER PHYSICAL SCIENTISTS	6	0.22	7	1	16.67	0	1
24399 ALL OTHER LIFE SCIENTISTS	9	0.33	12	3	33.33	0	3
24505 CHEMICAL TECHNICIANS & TECHNOLOGISTS, EXC. HEALTH	25	0.90	32	7	28.00	5	12
24599 ALL OTHER PHYSICAL & LIFE SCIENCE TECHS.	20	0.72	26	6	30.00	0	6
25105 COMPUTER PROGRAMMERS	16	0.58	20	4	25.00	0	4

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ESTIMATED EMPLOYMENT AND JOB OPENINGS IN MANUFACTURING
-COCONINO COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
25108 COMPUTER PROGRAMMER AIDES	15	0.54	22	7	46.67	0	7
25199 ALL OTHER COMPUTER SCIENTISTS	3	0.11	4	1	33.33	0	1
34002 WRITERS & EDITORS	18	0.65	21	3	16.67	5	8
34011 REPORTERS & CORRESPONDENTS	26	0.94	31	5	19.23	5	10
34035 ARTISTS & RELATED WORKERS	*	*	*	*	*	0	1
39999 ALL OTHER PROFESSIONAL, PARAPROFESSIONAL, & TECHN.	37	1.34	46	9	24.32	5	14
40000 SALES & RELATED OCCUPATIONS	**144**	**5.20**	**168**	**24**	**16.67**	**35**	**59**
41002 FIRST LINE SUPERVISORS & MGR./SUPERVISORS -SALES	13	0.47	15	2	15.38	5	7
43023 SALES AGENTS, ADVERTISING	22	0.79	26	4	18.18	5	9
49005 SALES REPS., SCIENTIFIC PROD. & SERV. EXC. RETAIL	*	*	*	*	*	5	7
49008 OTHER SALES REPRESENTATIVES, EXCEPT RETAIL	44	1.59	52	8	18.18	10	18
49026 NEWS/STREET VENDORS, PHONE SOLIC., DOOR-TO-DOOR	*	*	*	*	*	10	18
49999 ALL OTHER SALES & RELATED WORKERS	7	0.25	7	0	0.00	0	0
50000 CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	**325**	**11.74**	**387**	**62**	**19.08**	**45**	**107**
51002 FIRST LINE SUPERVISORS-CLERICAL & ADMIN. SUPPORT	18	0.65	21	3	16.67	5	8
53123 ADJUSTMENT CLERKS	*	*	*	*	*	0	5
53908 ADVERTISING CLERKS	*	*	*	*	*	0	1
55100 SECRETARIES	61	2.20	71	10	16.39	10	20
55305 RECEPTIONISTS & INFORMATION CLERKS	10	0.36	12	2	20.00	0	2
55323 ORDER CLERKS-MATERIALS, MERCHANDISE, & SERVICE	6	0.22	7	1	16.67	0	1
55326 PROCUREMENT CLERKS	11	0.40	14	3	27.27	0	3
55338 BOOKKEEPING, ACCOUNTING, & AUDITING CLERKS	42	1.52	50	8	19.05	10	18
55347 GENERAL OFFICE CLERKS	43	1.55	52	9	20.93	10	19
56021 DATA KEYERS, COMPOSING	*	*	*	*	*	0	0
56099 ALL OTHER OFFICE MACHINE OPERATORS	3	0.11	3	0	0.00	0	0
57102 SWITCHBOARD OPERATORS	5	0.18	6	1	20.00	0	1
58008 PRODUCTION, PLANNING, & EXPEDITING CLERKS	10	0.36	11	1	10.00	0	1

*SUPPRESSED DATA THAT IS CONFIDENTIAL

ESTIMATED EMPLOYMENT AND JOB OPENINGS IN MANUFACTURING
-COCONINO COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
58023 STOCK CLERKS-STOCKROOM, WAREHOUSE OR STORAGE YARD	28	1.01	34	6	21.43	5	11
58028 TRAFFIC, SHIPPING, & RECEIVING CLERKS	37	1.34	44	7	18.92	5	12
58099 ALL OTHER MATERIAL RECORDING/SCHEDULING/DISTRIB.	3	0.11	3	0	0.00	0	0
59999 ALL OTHER CLERICAL & ADMINISTRATIVE SUPPORT WKRS.	20	0.72	25	5	25.00	0	5
60000 SERVICE OCCUPATIONS	**49**	**1.77**	**59**	**10**	**20.41**	**15**	**25**
61099 ALL OTHER SERVICE SUPERVISORS & MGR./SUPERVISORS	3	0.11	3	0	0.00	0	0
63047 GUARDS & WATCH GUARDS	8	0.29	10	2	25.00	5	7
65099 ALL OTHER FOOD SERVICE WORKERS	2	0.07	2	0	0.00	0	0
67005 JANITORS & CLEANERS, EXC. MAIDS & HOUSEKEEPING	28	1.01	34	6	21.43	10	16
67099 ALL OTHER CLEANING/BLDG. SERVICE EXC. PRIV. HOUSE.	6	0.22	8	2	33.33	0	2
69999 ALL OTHER SERVICE WORKERS	2	0.07	2	0	0.00	0	0
70000 AGRICULTURE, FORESTRY, & FISHERY OCCUPATIONS	**102**	**3.68**	**126**	**24**	**23.53**	**0**	**24**
73002 FALLERS & BUCKERS	32	1.16	39	7	21.88	0	7
73008 LOG HANDLING EQUIPMENT OPERATORS	15	0.54	19	4	26.67	0	4
73011 LOGGING TRACTOR OPERATORS	29	1.05	37	8	27.59	0	8
73099 ALL OTHER TIMBER CUTTING & RELATED LOGGING WORKERS	1	0.04	1	0	0.00	0	0
79002 FOREST & CONSERVATION WORKERS	9	0.33	11	2	22.22	0	2
79008 LOG GRADERS & SCALERS	12	0.43	14	2	16.67	0	2
79999 ALL OTHER AG., FORESTRY, FISHING, & RELATED WKRS.	4	0.14	5	1	25.00	0	1
80000 PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	**1,608**	**58.07**	**1,938**	**330**	**20.52**	**135**	**465**
81002 FIRST LINE MGRS./SUPERS.- MECHS./INSTALLERS/REPRS.	15	0.54	19	4	26.67	5	9
81008 FIRST LINE MGRS./SUPERS.- PRODUCTION & OPERATIVES	76	2.74	95	19	25.00	10	29
81011 FIRST LINE MGRS./SUPERS.- TRANSPORTATION OPERS.	6	0.22	7	1	16.67	0	1
81017 FIRST LINE MGRS./SUPERS.- LABORERS & HELPERS	9	0.33	11	2	22.22	0	2
83002 PRECISION INSPECTORS, TESTERS, & GRADERS	*	*	*	*	*	5	12
83005 PRODUCTION INSPECTORS, TESTERS, GRADERS, & SORTERS	33	1.19	38	5	15.15	5	10
85110 MACHINERY MAINTENANCE MECHANICS	20	0.72	26	6	30.00	0	6

*SUPPRESSED DATA THAT IS CONFIDENTIAL

ESTIMATED EMPLOYMENT AND JOB OPENINGS IN MANUFACTURING
-COCONINO COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
85119 ALL OTHER MACHINERY MAINTENANCE MECHANICS	3	0.11	4	1	33.33	0	1
85123 MILLWRIGHTS	15	0.54	20	5	33.33	5	10
85128 MACHINERY MAINTENANCE WORKERS	9	0.33	12	3	33.33	0	3
85132 MAINTENANCE REPAIRERS, GENERAL UTILITY	39	1.41	50	11	28.21	5	16
85311 BUS & TRUCK MECHANICS, & DIESEL ENGINE SPECIALISTS	11	0.40	12	1	9.09	0	1
85314 MOBILE HEAVY EQUIPMENT MECHANICS, EXCEPT ENGINES	5	0.18	6	1	20.00	0	1
85947 COIN & VENDING MACHINE SERVICERS & REPAIRERS	*	*	*	*	*	0	1
85999 ALL OTHER MECHANICS, INSTALLERS, & REPAIRERS	*	*	*	*	*	0	1
87102 CARPENTERS	18	0.65	23	5	27.78	5	10
87202 ELECTRICIANS	14	0.51	17	3	21.43	0	3
87802 INSULATION WORKERS	*	*	*	*	*	0	3
87899 ALL OTHER CONSTRUCTION TRADES WORKERS	6	0.22	8	2	33.33	0	2
89108 MACHINISTS	32	1.16	42	10	31.25	5	15
89111 TOOL GRINDERS, FILERS, SHARPENERS (PRECISION)	9	0.33	11	2	22.22	0	2
89199 ALL OTHER PRECISION METAL WORKERS	2	0.07	3	1	50.00	0	1
89311 CABINETMAKERS & BENCH CARPENTERS	*	*	*	*	*	0	2
89599 ALL OTHER PRECISION TEXTILE & APPAREL WORKERS	4	0.14	5	1	25.00	0	1
89717 STRIPPERS	5	0.18	6	1	20.00	0	1
89799 ALL OTHER PRECISION PRINTING WORKERS	13	0.47	16	3	23.08	0	3
89899 ALL OTHER PRECISION FOOD & TOBACCO WORKERS	2	0.07	2	0	0.00	0	0
89911 PRECISION DETAIL DESIGN DECORATORS & PAINTERS	*	*	*	*	*	0	1
89923 MEDICAL APPLIANCE MAKERS	13	0.47	17	4	30.77	0	4
89999 ALL OTHER PRECISION WORKERS	84	3.03	111	27	32.14	10	37
91117 MACHINE TOOL CUTTING OPERS./TENDERS -METAL & PLAST.	40	1.44	47	7	17.50	5	12
91902 PLASTIC MOLDING & CASTING MACHINE SET-UP OPERS.	*	*	*	*	*	0	4
92100 ALL OTHER METAL & PLASTIC MACHINE SETTERS/OPERATORS	4	0.14	5	1	25.00	0	1
92302 SAWING MACHINE SETTERS & SET-UP OPERATORS	*	*	*	*	*	0	2
92305 HEAD SAWYERS	10	0.36	12	2	20.00	0	2
92308 SAWING MACHINE OPERATORS & TENDERS	50	1.81	63	13	26.00	5	18
92314 WOODWORKING MACHINE OPERS. & TENDERS, EXC. SAWING	*	*	*	*	*	0	3

*SUPPRESSED DATA THAT IS CONFIDENTIAL

ESTIMATED EMPLOYMENT AND JOB OPENINGS IN MANUFACTURING
-COCONINO COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
92512 OFFSET LITHOGRAPHIC PRESS SETTERS & SET-UP OPERS.	*	*	*	*	*	0	2
92541 TYPESETTING & COMPOSING MACHINE OPERS. & TENDERS	15	0.54	18	3	20.00	5	8
92543 PRINTING PRESS MACHINE OPERATORS & TENDERS	42	1.52	50	8	19.05	5	13
92546 BINDERY MACHINE OPERATORS	*	*	*	*	*	0	2
92549 ALL OTHER PRINTING, BINDING, & REL. MACH. OPERS.	3	0.11	3	0	0.00	0	0
92717 SEWING MACHINE OPERATORS, GARMENT	*	*	*	*	*	5	13
92900 ALL OTHER MACH. SETTERS & OPERS. EXC. METAL/PLASTIC	9	0.33	11	2	22.22	0	2
92914 PAPER GOODS MACHINE SETTERS & SET-UP OPERATORS	*	*	*	*	*	0	2
92917 COOKING MACHINE OPERS. & TENDERS, FOOD & TOBACCO	*	*	*	*	*	0	1
92923 FURNACE, KILN, OVEN, DRIER, OR KETTLE OPERATORS	8	0.29	10	2	25.00	0	2
92926 BOILER OPERATORS & TENDERS, LOW PRESSURE	*	*	*	*	*	0	2
92941 CUTTING & SLICING MACH. SETTERS & SET-UP OPERATORS	*	*	*	*	*	0	1
92944 CUTTING & SLICING MACHINE OPERATORS & TENDERS	*	*	*	*	*	0	2
92965 CRUSHING, GRINDING, & MIXING MACHINE OPERATORS	16	0.58	18	2	12.50	0	2
92971 EXTRUDING, FORMING, & PRESSING MACHINE OPERATORS	*	*	*	*	*	0	2
92974 PACKAGING & FILLING MACHINE OPERATORS & TENDERS	29	1.05	33	4	13.79	5	9
92998 ALL OTHER MACHINE OPERATORS & TENDERS	13	0.47	18	5	38.46	0	5
93114 ELECTRICAL/ELECTRONIC EQUIP. ASSEMBLERS -PRECISION	*	*	*	*	*	5	4
93902 MACHINE ASSEMBLERS	*	*	*	*	*	0	3
93914 WELDERS & CUTTERS	*	*	*	*	*	0	4
93956 ASSEMBLERS/FABRICATORS -EX. MACH., ELECT., PRECI.	13	0.47	15	2	15.38	0	2
93999 ALL OTHER HAND WORKERS	44	1.59	52	8	18.18	5	13
95099 ALL OTHER PLANT & SYSTEM OPERATORS	8	0.29	10	2	25.00	0	2
97102 TRUCK DRIVERS, HEAVY OR TRACTOR TRAILER	118	4.26	144	26	22.03	10	36
97105 TRUCK DRIVERS, LIGHT-INCL. DELIVERY & ROUTE WKRS.	42	1.52	48	6	14.29	5	11
97117 DRIVER/SALES WORKERS	*	*	*	*	*	5	11
97941 HOIST & WINCH OPERATORS	7	0.25	8	1	14.29	0	1
97947 INDUSTRIAL TRUCK & TRACTOR OPERATORS	45	1.63	52	7	15.56	0	7
97951 CONVEYOR OPERATORS & TENDERS	*	*	*	*	*	0	1
97956 OPERATING ENGINEERS	*	*	*	*	*	0	1

*SUPPRESSED DATA THAT IS CONFIDENTIAL

ESTIMATED EMPLOYMENT AND JOB OPENINGS IN MANUFACTURING
-COCONINO COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
97989 ALL OTHER TRANSPORT./MATL. MOVING EQUIP. OPERS.	*	*	*	*	*	0	2
97999 ALL OTHER MATERIAL MOVING EQUIPMENT OPERATORS	8	0.29	10	2	25.00	0	2
98502 MACHINE FEEDERS & OFFBEARERS	59	2.13	69	10	16.95	5	15
98799 ALL OTHER FREIGHT, STOCK, & MATERIAL MOVERS, HAND	70	2.53	84	14	20.00	5	19
98902 HAND PACKERS & PACKAGERS	76	2.74	91	15	19.74	5	20
98999 ALL OTHER HELPERS, LABORERS, & MATL. MOVERS, HAND	34	1.23	42	8	23.53	5	13
TOTAL OF ALL OCCUPATIONS	**2,769**	**100.00**	**3,356**	**587**	**21.20**	**295**	**882**

*SUPPRESSED DATA THAT IS CONFIDENTIAL

ESTIMATED EMPLOYMENT AND JOB OPENINGS IN MANUFACTURING
-GILA COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
10000 MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	**25**	**2.34**	**29**	**4**	**16.00**	**0**	**4**
15014 INDUSTRIAL PRODUCTION MANAGERS	11	1.03	13	2	18.18	0	2
19005 GENERAL MANAGERS & TOP EXECUTIVES	9	0.84	11	2	22.22	0	2
19999 ALL OTHER MANAGERS & ADMINISTRATORS	5	0.47	5	0	0.00	0	0
20000 PROFESSIONAL, PARAPROFESSIONAL, & TECH. OCCUPATIONS	**51**	**4.77**	**62**	**11**	**21.57**	**0**	**11**
21199 ALL OTHER FINANCIAL SPECIALISTS	4	0.37	5	1	25.00	0	1
21999 ALL OTHER MANAGEMENT SUPPORT WORKERS	3	0.28	3	0	0.00	0	0
22105 METALLURGISTS & METALLURGICAL & MATRLS. ENGINEERS	7	0.65	8	1	14.29	0	1
22199 ALL OTHER ENGINEERS	6	0.56	7	1	16.67	0	1
22599 ALL OTHER ENGINEERING & RELATED TECHS.	3	0.28	3	0	0.00	0	0
24105 CHEMISTS, EXC. BIOCHEMISTS	*	*	*	*	*	0	1
24599 ALL OTHER PHYSICAL & LIFE SCIENCE TECHS.	1	0.09	2	1	100.00	0	1
25199 ALL OTHER COMPUTER SCIENTISTS	4	0.37	5	1	25.00	0	1
32999 ALL OTHER HEALTH PARA/PROFESSIONALS & TECHNS.	2	0.19	2	0	0.00	0	0
34002 WRITERS & EDITORS	*	*	*	*	*	0	3
34011 REPORTERS & CORRESPONDENTS	*	*	*	*	*	0	2
39999 ALL OTHER PROFESSIONAL, PARAPROFESSIONAL, & TECHN.	1	0.09	1	0	0.00	0	0
40000 SALES & RELATED OCCUPATIONS	**25**	**2.34**	**27**	**2**	**8.00**	**0**	**2**
43099 ALL OTHER SALES REPS. & SALESPERSONS, SERVICE	*	*	*	*	*	*	0
49005 SALES REPS., SCIENTIFIC PROD. & SERV. EXC. RETAIL	*	*	*	*	*	0	1
49008 OTHER SALES REPRESENTATIVES, EXCEPT RETAIL	6	0.56	6	0	0.00	0	0
49999 ALL OTHER SALES & RELATED WORKERS	10	0.94	11	1	10.00	0	1
50000 CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	**84**	**7.86**	**95**	**11**	**13.10**	**0**	**11**
51002 FIRST LINE SUPERVISORS-CLERICAL & ADMIN. SUPPORT	7	0.65	9	2	28.57	0	2
55100 SECRETARIES	10	0.94	12	2	20.00	0	2
55338 BOOKKEEPING, ACCOUNTING, & AUDITING CLERKS	9	0.84	10	1	11.11	0	1
55347 GENERAL OFFICE CLERKS	6	0.56	6	0	0.00	0	0

*SUPPRESSED DATA THAT IS CONFIDENTIAL

ESTIMATED EMPLOYMENT AND JOB OPENINGS IN MANUFACTURING
-GILA COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
56099 ALL OTHER OFFICE MACHINE OPERATORS	9	0.84	10	1	11.11	0	1
58008 PRODUCTION, PLANNING, & EXPEDITING CLERKS	9	0.84	11	2	22.22	0	2
58023 STOCK CLERKS-STOCKROOM, WAREHOUSE OR STORAGE YARD	*	*	*	*	*	0	2
58028 TRAFFIC, SHIPPING, & RECEIVING CLERKS	*	*	*	*	*	0	1
58099 ALL OTHER MATERIAL RECORDING/SCHEDULING/DISTRIB.	4	0.37	4	0	0.00	0	0
59999 ALL OTHER CLERICAL & ADMINISTRATIVE SUPPORT WKRS.	15	1.40	15	0	0.00	0	0
60000 SERVICE OCCUPATIONS	**7**	**0.65**	**10**	**3**	**42.86**	**0**	**3**
63099 ALL OTHER PROTECTIVE SERVICE WORKERS	3	0.28	5	2	66.67	0	2
67099 ALL OTHER CLEANING/BLDG. SERVICE EXC. PRIV. HOUSE.	4	0.37	5	1	25.00	0	1
70000 AGRICULTURE, FORESTRY, & FISHERY OCCUPATIONS	**8**	**0.75**	**10**	**2**	**25.00**	**0**	**2**
80000 PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	**869**	**81.29**	**1,030**	**161**	**18.53**	**95**	**256**
81002 FIRST LINE MGRS./SUPERS.- MECHS./INSTALLERS/REPRS.	24	2.25	28	4	16.67	5	9
81008 FIRST LINE MGRS./SUPERS.- PRODUCTION & OPERATIVES	38	3.55	44	6	15.79	5	11
81017 FIRST LINE MGRS./SUPERS.- LABORERS & HELPERS	*	*	*	*	*	0	4
81099 ALL OTHER FIRST LINE MGRS./SUPRS.-MAIN./PROD./CONST	4	0.37	5	1	25.00	0	1
83005 PRODUCTION INSPECTORS, TESTERS, GRADERS, & SORTERS	17	1.59	18	1	5.88	0	1
85110 MACHINERY MAINTENANCE MECHANICS	29	2.71	39	10	34.48	5	15
85128 MACHINERY MAINTENANCE WORKERS	*	*	*	*	*	0	1
85311 BUS & TRUCK MECHANICS, & DIESEL ENGINE SPECIALISTS	27	2.53	33	6	22.22	5	11
85905 PRECISION INSTRUMENT REPAIRERS	9	0.84	11	2	22.22	5	7
85999 ALL OTHER MECHANICS, INSTALLERS, & REPAIRERS	6	0.56	6	0	0.00	0	0
87102 CARPENTERS	*	*	*	*	*	0	1
87202 ELECTRICIANS	35	3.27	40	5	14.29	5	10
87302 BRICK MASONS	*	*	*	*	*	0	1
87502 PLUMBERS, PIPEFITTERS, & STEAMFITTERS	*	*	*	*	*	5	12
87899 ALL OTHER CONSTRUCTION TRADES WORKERS	3	0.28	4	1	33.33	0	1
89108 MACHINISTS	34	3.18	42	8	23.53	5	13

*SUPPRESSED DATA THAT IS CONFIDENTIAL

ESTIMATED EMPLOYMENT AND JOB OPENINGS IN MANUFACTURING
-GILA COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
89117 PRECISION LAYOUT WORKERS, METAL	10	0.94	12	2	20.00	10	12
89135 BOILERMAKERS	*	*	*	*	*	5	16
89199 ALL OTHER PRECISION METAL WORKERS	3	0.28	3	0	0.00	0	0
89799 ALL OTHER PRECISION PRINTING WORKERS	5	0.47	6	1	20.00	0	1
89808 FOOD BATCHMAKERS	*	*	*	*	*	0	1
91117 MACHINE TOOL CUTTING OPERS./TENDERS -METAL & PLAST.	*	*	*	*	*	5	10
91302 PUNCHING MACHINE SET-UP OPERS. -METAL & PLASTIC	*	*	*	*	*	0	3
91502 NUMER. CONTROL MACHINE TOOL OPERS. -METAL & PLAST.	5	0.47	6	1	20.00	0	1
92100 ALL OTHER METAL & PLASTIC MACHINE SETTERS/OPERATORS	5	0.47	6	1	20.00	0	1
92308 SAWING MACHINE OPERATORS & TENDERS	5	0.47	7	2	40.00	0	2
92543 PRINTING PRESS MACHINE OPERATORS & TENDERS	*	*	*	*	*	0	2
92549 ALL OTHER PRINTING, BINDING, & REL. MACH. OPERS.	8	0.75	9	1	12.50	0	1
92900 ALL OTHER MACH. SETTERS & OPERS. EXC. METAL/PLASTIC	7	0.65	8	1	14.29	0	1
92962 SEPARATING, FILTERING, & CLARIFYING MACH. OPERS.	*	*	*	*	*	0	2
93914 WELDERS & CUTTERS	*	*	*	*	*	0	2
93953 GRINDING & POLISHING WORKERS, HAND	20	1.87	23	3	15.00	5	8
95099 ALL OTHER PLANT & SYSTEM OPERATORS	13	1.22	13	0	0.00	0	0
97102 TRUCK DRIVERS, HEAVY OR TRACTOR TRAILER	44	4.12	52	8	18.18	5	13
97117 DRIVER/SALES WORKERS	*	*	*	*	*	0	2
97199 ALL OTHER MOTOR VEHICLE OPERATORS	2	0.19	2	0	0.00	0	0
97944 CRANE & TOWER OPERATORS	*	*	*	*	*	0	6
97947 INDUSTRIAL TRUCK & TRACTOR OPERATORS	22	2.06	24	2	9.09	0	2
97989 ALL OTHER TRANSPORT./MATL. MOVING EQUIP. OPERS.	*	*	*	*	*	5	10
97999 ALL OTHER MATERIAL MOVING EQUIPMENT OPERATORS	4	0.37	4	0	0.00	0	0
98102 MECHANIC & REPAIRER HELPERS	10	0.94	12	2	20.00	0	2
98319 HELPERS -ALL OTHER CONSTRUCTION TRADES	50	4.68	61	11	22.00	5	16
98502 MACHINE FEEDERS & OFFBEARERS	*	*	*	*	*	0	2
98799 ALL-OTHER FREIGHT, STOCK, & MATERIAL MOVERS, HAND	7	0.65	7	0	0.00	0	0
98902 HAND PACKERS & PACKAGERS	*	*	*	*	*	0	0
98999 ALL OTHER HELPERS, LABORERS, & MATL. MOVERS, HAND	138	12.91	165	27	19.57	15	42
TOTAL OF ALL OCCUPATIONS	**1,069**	**100.00**	**1,263**	**194**	**18.15**	**95**	**289**

ESTIMATED EMPLOYMENT AND JOB OPENINGS IN MANUFACTURING
-GRAHAM AND GREENLEE COUNTIES-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
10000 MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	**18**	**7.76**	**20**	**2**	**11.11**	**5**	**7**
19005 GENERAL MANAGERS & TOP EXECUTIVES	13	5.60	15	2	15.38	5	7
19999 ALL OTHER MANAGERS & ADMINISTRATORS	5	2.16	5	0	0.00	0	0
20000 PROFESSIONAL, PARAPROFESSIONAL, & TECH. OCCUPATIONS	**13**	**5.60**	**15**	**2**	**15.38**	**0**	**2**
22199 ALL OTHER ENGINEERS	2	0.86	2	0	0.00	0	0
25199 ALL OTHER COMPUTER SCIENTISTS	1	0.43	1	0	0.00	0	0
39999 ALL OTHER PROFESSIONAL, PARAPROFESSIONAL, & TECHN.	10	4.31	12	2	20.00	0	2
40000 SALES & RELATED OCCUPATIONS	**10**	**4.31**	**12**	**2**	**20.00**	**0**	**2**
41002 FIRST LINE SUPERVISORS & MGR./SUPERVISORS -SALES	6	2.59	7	1	16.67	0	1
43099 ALL OTHER SALES REPS. & SALESPERSONS, SERVICE	4	1.72	5	1	25.00	0	1
50000 CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	**26**	**11.21**	**29**	**3**	**11.54**	**0**	**3**
55100 SECRETARIES	6	2.59	7	1	16.67	0	1
57199 ALL OTHER COMMUNICATIONS EQUIPMENT OPERATORS	1	0.43	1	0	0.00	0	0
58099 ALL OTHER MATERIAL RECORDING/SCHEDULING/DISTRIB.	2	0.86	2	0	0.00	0	0
59999 ALL OTHER CLERICAL & ADMINISTRATIVE SUPPORT WKRS.	17	7.33	19	2	11.76	0	2
60000 SERVICE OCCUPATIONS	**2**	**0.86**	**2**	**0**	**0.00**	**0**	**0**
80000 PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	**163**	**70.26**	**194**	**31**	**19.02**	**15**	**46**
81008 FIRST LINE MGRS./SUPERS.- PRODUCTION & OPERATIVES	11	4.74	13	2	18.18	0	2
81099 ALL OTHER FIRST LINE MGRS./SUPRS.-MAIN./PROD./CONST	1	0.43	1	0	0.00	0	0
83005 PRODUCTION INSPECTORS, TESTERS, GRADERS, & SORTERS	*	*	*	*	*	0	1
85132 MAINTENANCE REPAIRERS, GENERAL UTILITY	*	*	*	*	*	0	3
85947 COIN & VENDING MACHINE SERVICERS & REPAIRERS	*	*	*	*	*	0	1
85999 ALL OTHER MECHANICS, INSTALLERS, & REPAIRERS	1	0.43	1	0	0.00	0	0
89108 MACHINISTS	*	*	*	*	*	0	2

*SUPPRESSED DATA THAT IS CONFIDENTIAL

ESTIMATED EMPLOYMENT AND JOB OPENINGS IN MANUFACTURING
-GRAHAM AND GREENLEE COUNTIES-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
89799 ALL OTHER PRECISION PRINTING WORKERS	11	4.74	13	2	18.18	0	2
92100 ALL OTHER METAL & PLASTIC MACHINE SETTERS/OPERATORS	2	0.86	2	0	0.00	0	0
92543 PRINTING PRESS MACHINE OPERATORS & TENDERS	*	*	*	*	*	5	10
92549 ALL OTHER PRINTING, BINDING, & REL. MACH. OPERS.	3	1.29	4	1	33.33	0	1
92900 ALL OTHER MACH. SETTERS & OPERS. EXC. METAL/PLASTIC	1	0.43	1	0	0.00	0	0
92965 CRUSHING, GRINDING, & MIXING MACHINE OPERATORS	*	*	*	*	*	5	10
92971 EXTRUDING, FORMING, & PRESSING MACHINE OPERATORS	*	*	*	*	*	0	1
92974 PACKAGING & FILLING MACHINE OPERATORS & TENDERS	*	*	*	*	*	0	1
93999 ALL OTHER HAND WORKERS	8	3.45	10	2	25.00	0	2
97199 ALL OTHER MOTOR VEHICLE OPERATORS	6	2.59	6	0	0.00	0	0
97899 ALL OTHER TRANSPORTATION & RELATED WORKERS	17	7.33	20	3	17.65	5	8
97999 ALL OTHER MATERIAL MOVING EQUIPMENT OPERATORS	1	0.43	1	0	0.00	0	0
98902 HAND PACKERS & PACKAGERS	*	*	*	*	*	0	2
TOTAL OF ALL OCCUPATIONS	**232**	**100.00**	**272**	**40**	**17.24**	**20**	**60**

*SUPPRESSED DATA THAT IS CONFIDENTIAL

ESTIMATED EMPLOYMENT AND JOB OPENINGS IN MANUFACTURING
-LAPAZ COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
10000 MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	**10**	**2.94**	**12**	**2**	**20.00**	**0**	**2**
15014 INDUSTRIAL PRODUCTION MANAGERS	8	2.35	10	2	25.00	0	2
19999 ALL OTHER MANAGERS & ADMINISTRATORS	2	0.59	2	0	0.00	0	0
20000 PROFESSIONAL, PARAPROFESSIONAL, & TECH. OCCUPATIONS	**4**	**1.18**	**5**	**1**	**25.00**	**0**	**1**
40000 SALES & RELATED OCCUPATIONS	**1**	**0.29**	**1**	**0**	**0.00**	**0**	**0**
50000 CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	**25**	**7.35**	**29**	**4**	**16.00**	**0**	**4**
55347 GENERAL OFFICE CLERKS	11	3.24	12	1	9.09	0	1
58099 ALL OTHER MATERIAL RECORDING/SCHEDULING/DISTRIB.	8	2.35	10	2	25.00	0	2
59999 ALL OTHER CLERICAL & ADMINISTRATIVE SUPPORT WKRS.	6	1.76	7	1	16.67	0	1
60000 SERVICE OCCUPATIONS	**3**	**0.88**	**3**	**0**	**0.00**	**0**	**0**
80000 PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	**297**	**87.35**	**368**	**71**	**23.91**	**10**	**81**
81008 FIRST LINE MGRS./SUPERS.- PRODUCTION & OPERATIVES	14	4.12	17	3	21.43	0	3
81099 ALL OTHER FIRST LINE MGRS./SUPRS.-MAIN./PROD./CONST	1	0.29	1	0	0.00	0	0
85132 MAINTENANCE REPAIRERS, GENERAL UTILITY	*	*	*	*	*	0	1
85302 AUTOMOTIVE MECHANICS	*	*	*	*	*	0	2
85999 ALL OTHER MECHANICS, INSTALLERS, & REPAIRERS-	1	0.29	1	0	0.00	0	0
87708 PAVING, SURFACING, & TAMPING EQUIPMENT OPERATORS	*	*	*	*	*	0	0
87899 ALL OTHER CONSTRUCTION TRADES WORKERS	4	1.18	4	0	0.00	0	0
89102 TOOL & DIE MAKERS	*	*	*	*	*	0	1
91302 PUNCHING MACHINE SET-UP OPERS. -METAL & PLASTIC	*	*	*	*	*	0	2
91305 PRESS/PRESS BRAKE MACH. SET-UP OPRS.-METAL & PLAST.	*	*	*	*	*	0	2
91702 WELDING MACHINE SETTERS & SET-UP OPERATORS	*	*	*	*	*	0	3
91714 METAL FABRICATORS, STRUCTURAL METAL PRODUCTS	*	*	*	*	*	0	2
92100 ALL OTHER METAL & PLASTIC MACHINE SETTERS/OPERATORS	*	*	*	*	*	0	9

*SUPPRESSED DATA THAT IS CONFIDENTIAL

ESTIMATED EMPLOYMENT AND JOB OPENINGS IN MANUFACTURING
-LAPAZ COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
92717 SEWING MACHINE OPERATORS, GARMENT	*	*	*	*	*	0	3
92900 ALL OTHER MACH. SETTERS & OPERS. EXC. METAL/PLASTIC	3	0.88	4	1	33.33	0	1
92962 SEPARATING, FILTERING, & CLARIFYING MACH. OPERS.	7	2.06	8	1	14.29	0	1
92965 CRUSHING, GRINDING, & MIXING MACHINE OPERATORS	*	*	*	*	*	0	2
93914 WELDERS & CUTTERS	*	*	*	*	*	0	6
93926 CUTTERS & TRIMMERS, HAND	*	*	*	*	*	0	0
93956 ASSEMBLERS/FABRICATORS -EX. MACH., ELECT., PRECI.	*	*	*	*	*	5	20
93999 ALL OTHER HAND WORKERS	2	0.59	3	1	50.00	0	1
95099 ALL OTHER PLANT & SYSTEM OPERATORS	*	*	*	*	*	0	0
97102 TRUCK DRIVERS, HEAVY OR TRACTOR TRAILER	*	*	*	*	*	5	10
97199 ALL OTHER MOTOR VEHICLE OPERATORS	2	0.59	2	0	0.00	0	0
97947 INDUSTRIAL TRUCK & TRACTOR OPERATORS	9	2.65	11	2	22.22	0	2
97956 OPERATING ENGINEERS	*	*	*	*	*	0	2
97999 ALL OTHER MATERIAL MOVING EQUIPMENT OPERATORS	1	0.29	1	0	0.00	0	0
98999 ALL OTHER HELPERS, LABORERS, & MATL. MOVERS, HAND	*	*	*	*	*	0	8
TOTAL OF ALL OCCUPATIONS	**340**	**100.00**	**418**	**78**	**22.94**	**10**	**88**

*SUPPRESSED DATA THAT IS CONFIDENTIAL

ESTIMATED EMPLOYMENT AND JOB OPENINGS IN MANUFACTURING
-MARICOPA COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
10000 MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	**10,412**	**7.44**	**11,796**	**1,384**	**13.29**	**1,850**	**3,234**
13002 FINANCIAL MANAGERS	648	0.46	707	59	9.10	85	144
13005 PERSONNEL, TRAINING, & LABOR RELATIONS MANAGERS	323	0.23	361	38	11.76	40	78
13008 PURCHASING MANAGERS	328	0.23	358	30	9.15	35	65
13011 MARKETING, ADVERTISING, & PUBLIC RELATIONS MGRS.	1,309	0.94	1,486	177	13.52	200	377
13014 ADMINISTRATIVE SERVICES MANAGERS	410	0.29	465	55	13.41	80	135
13017 ENGINEERING, MATH, & NATURAL SCIENCES MANAGERS	1,949	1.39	2,277	328	16.83	370	698
15014 INDUSTRIAL PRODUCTION MANAGERS	2,114	1.51	2,462	348	16.46	410	758
19005 GENERAL MANAGERS & TOP EXECUTIVES	2,609	1.86	2,888	279	10.69	495	774
19999 ALL OTHER MANAGERS & ADMINISTRATORS	722	0.52	792	70	9.70	135	205
20000 PROFESSIONAL, PARAPROFESSIONAL, & TECH. OCCUPATIONS	**31,190**	**22.29**	**35,085**	**3,895**	**12.49**	**3,655**	**7,550**
21114 ACCOUNTANTS & AUDITORS	857	0.61	932	75	8.75	165	240
21117 BUDGET ANALYSTS	128	0.09	139	11	8.59	25	36
21199 ALL OTHER FINANCIAL SPECIALISTS	408	0.29	440	32	7.84	75	107
21305 PURCHASING AGENTS & BUYERS, FARM PRODUCTS	7	0.01	8	1	14.29	0	1
21308 PURCHASING AGENTS, EXC. WHOLESALE, RETAIL, & FARM	1,081	0.77	1,214	133	12.30	185	318
21511 PERSONNEL, TRAINING, & LABOR REL. SPECIALISTS	419	0.30	469	50	11.93	45	95
21902 COST ESTIMATORS	347	0.25	417	70	20.17	65	135
21911 COMPLIANCE & ENFORCEMENT INSPECTORS, EXC. CONST.	*	*	*	*	*	5	7
21999 ALL OTHER MANAGEMENT SUPPORT WORKERS	1,216	0.87	1,322	106	8.72	215	321
22102 AERONAUTICAL & ASTRONAUTICAL ENGINEERS	562	0.40	614	52	9.25	65	117
22105 METALLURGISTS & METALLURGICAL & MATRLS. ENGINEERS	73	0.05	81	8	10.96	10	18
22114 CHEMICAL ENGINEERS	46	0.03	52	6	13.04	10	16
22121 CIVIL ENGINEERS, INCLUDING TRAFFIC	27	0.02	28	1	3.70	5	6
22126 ELECTRICAL & ELECTRONIC ENGINEERS	4,207	3.01	4,872	665	15.81	410	1,075
22127 COMPUTER ENGINEERS	1,074	0.77	1,135	61	5.68	150	211
22128 INDUSTRIAL ENGINEERS, EXC. SAFETY	1,992	1.42	2,268	276	13.86	275	551
22132 SAFETY ENGINEERS, EXC. MINING	72	0.05	77	5	6.94	10	15
22135 MECHANICAL ENGINEERS	2,266	1.62	2,550	284	12.53	385	669

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ESTIMATED EMPLOYMENT AND JOB OPENINGS IN MANUFACTURING
-MARICOPA COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
22199 ALL OTHER ENGINEERS	1,993	1.42	2,214	221	11.09	285	506
22502 CIVIL ENGINEERING TECHNICIANS & TECHNOLOGISTS	13	0.01	14	1	7.69	0	1
22505 ELECTRICAL & ELECTRONIC ENGINEERING TECHS.	3,566	2.55	4,176	610	17.11	220	830
22508 INDUSTRIAL ENGINEERING TECHNICIANS/TECHNOLOGISTS	442	0.32	476	34	7.69	30	64
22511 MECHANICAL ENGINEERING TECHNICIANS/TECHNOLOGISTS	809	0.58	865	56	6.92	110	166
22514 DRAFTERS	660	0.47	709	49	7.42	45	94
22599 ALL OTHER ENGINEERING & RELATED TECHS.	2,894	2.07	3,134	240	8.29	260	500
24105 CHEMISTS, EXC. BIOCHEMISTS	67	0.05	79	12	17.91	5	17
24199 ALL OTHER PHYSICAL SCIENTISTS	58	0.04	67	9	15.52	0	9
24308 BIOLOGICAL SCIENTISTS	70	0.05	80	10	14.29	5	15
24399 ALL OTHER LIFE SCIENTISTS	*	*	*	*	*	5	9
24502 BIOLOGICAL, AGRI., & FOOD TECHS., EXC. HEALTH	24	0.02	27	3	12.50	0	3
24505 CHEMICAL TECHNICIANS & TECHNOLOGISTS, EXC. HEALTH	121	0.09	130	9	7.44	15	24
24599 ALL OTHER PHYSICAL & LIFE SCIENCE TECHS.	73	0.05	79	6	8.22	5	11
25102 SYSTEMS ANALYSTS, ELECTRONIC DATA PROCESSING	1,090	0.78	1,326	236	21.65	65	301
25105 COMPUTER PROGRAMMERS	704	0.50	831	127	18.04	25	152
25108 COMPUTER PROGRAMMER AIDES	267	0.19	317	50	18.73	10	60
25111 PROGRAMMERS -NUMERICAL, TOOL, & PROCESS CONTROL	29	0.02	34	5	17.24	0	5
25199 ALL OTHER COMPUTER SCIENTISTS	32	0.02	37	5	15.63	0	5
25302 OPERATIONS & SYSTEMS ANALYSTS, EXC. COMPUTER	136	0.10	157	21	15.44	10	31
25312 STATISTICIANS	8	0.01	10	2	25.00	0	2
28108 LAWYERS	*	*	*	*	*	0	2
31314 TEACHERS & INSTRUCTORS, VOCATIONAL ED. & TRAINING	*	*	*	*	*	0	0
32514 OPTICIANS, DISPENSING & MEASURING	*	*	*	*	*	0	1
32999 ALL OTHER HEALTH PARA/PROFESSIONALS & TECHNS.	77	0.06	84	7	9.09	15	22
34002 WRITERS & EDITORS	355	0.25	408	53	14.93	80	133
34005 TECHNICAL WRITERS	208	0.15	222	14	6.73	55	69
34008 PUBLIC RELATIONS SPECIALISTS & PUBLICITY WRITERS	11	0.01	13	2	18.18	0	2
34011 REPORTERS & CORRESPONDENTS	311	0.22	367	56	18.01	50	106
34023 PHOTOGRAPHERS	50	0.04	64	14	28.00	10	24

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ESTIMATED EMPLOYMENT AND JOB OPENINGS IN MANUFACTURING
-MARICOPA COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
34035 ARTISTS & RELATED WORKERS	242	0.17	271	29	11.98	35	64
34038 DESIGNERS, EXC. INTERIOR DESIGNERS	497	0.36	546	49	9.86	65	114
39999 ALL OTHER PROFESSIONAL, PARAPROFESSIONAL, & TECHN.	1,550	1.11	1,670	120	7.74	150	270
40000 SALES & RELATED OCCUPATIONS	**5,464**	**3.91**	**6,162**	**698**	**12.77**	**1,150**	**1,848**
41002 FIRST LINE SUPERVISORS & MGR./SUPERVISORS -SALES	642	0.46	724	82	12.77	130	212
43023 SALES AGENTS, ADVERTISING	812	0.58	943	131	16.13	180	311
49002 SALES ENGINEERS	496	0.35	532	36	7.26	145	181
49005 SALES REPS., SCIENTIFIC PROD. & SERV. EXC. RETAIL	626	0.45	672	46	7.35	125	171
49008 OTHER SALES REPRESENTATIVES, EXCEPT RETAIL	1,842	1.32	2,095	253	13.74	380	633
49011 SALESPERSONS, RETAIL	159	0.11	175	16	10.06	35	51
49023 CASHIERS	120	0.09	141	21	17.50	15	36
49026 NEWS/STREET VENDORS, PHONE SOLIC., DOOR-TO-DOOR	138	0.10	160	22	15.94	30	52
49999 ALL OTHER SALES & RELATED WORKERS	629	0.45	720	91	14.47	110	201
50000 CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	**16,311**	**11.66**	**17,659**	**1,348**	**8.26**	**2,195**	**3,543**
51002 FIRST LINE SUPERVISORS CLERICAL & ADMIN. SUPPORT	1,167	0.83	1,255	88	7.54	165	253
53123 ADJUSTMENT CLERKS	414	0.30	474	60	14.49	30	90
53902 LIBRARY ASSISTANTS & BOOKMOBILE DRIVERS	*	*	*	*	*	0	1
53908 ADVERTISING CLERKS	145	0.10	174	29	20.00	20	49
53911 PROOFREADERS & COPY MARKERS	87	0.06	91	4	4.60	10	14
55100 SECRETARIES	2,443	1.75	2,517	74	3.03	435	509
55302 STENOGRAPHERS	*	*	*	*	*	5	3
55305 RECEPTIONISTS & INFORMATION CLERKS	253	0.18	293	40	15.81	30	70
55308 TYPISTS	119	0.09	119	0	0.00	10	10
55311 TYPISTS, WORD PROCESSING EQUIPMENT	158	0.11	151	-7	-4.43	15	8
55314 PERSONNEL CLERKS, EXC. PAYROLL & TIMEKEEPING	156	0.11	170	14	8.97	15	29
55321 FILE CLERKS	89	0.06	93	4	4.49	10	14
55323 ORDER CLERKS-MATERIALS, MERCHANDISE, & SERVICE	460	0.33	485	25	5.43	45	70
55326 PROCUREMENT CLERKS	127	0.09	138	11	8.66	10	21

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ESTIMATED EMPLOYMENT AND JOB OPENINGS IN MANUFACTURING
-MARICOPA COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
55328 STATISTICAL CLERKS	55	0.04	55	0	0.00	5	5
55332 INTERVIEWING CLERKS, EXC. PERSONNEL & WELFARE	*	*	*	*	*	0	1
55338 BOOKKEEPING, ACCOUNTING, & AUDITING CLERKS	1,646	1.18	1,815	169	10.27	335	504
55341 PAYROLL & TIMEKEEPING CLERKS	178	0.13	191	13	7.30	20	33
55344 BILLING, COST & RATE CLERKS	154	0.11	170	16	10.39	10	26
55347 GENERAL OFFICE CLERKS	2,398	1.71	2,662	264	11.01	410	674
56002 BILLING, POSTING, & CALCULATING MACHINE OPERATORS	24	0.02	26	2	8.33	0	2
56005 DUPLICATING MACHINE OPERATORS	11	0.01	13	2	18.18	0	2
56008 MAIL MACHINE OPERATORS, PREPARATION & HANDLING	12	0.01	14	2	16.67	0	2
56011 COMPUTER OPERATORS, EXC. PERIPHERAL EQUIPMENT	571	0.41	637	66	11.56	35	101
56014 PERIPHERAL EDP EQUIPMENT OPERATORS	63	0.05	67	4	6.35	5	9
56017 DATA ENTRY KEYERS, EXC. COMPOSING	501	0.36	499	-2	-0.40	25	23
56021 DATA KEYERS, COMPOSING	19	0.01	19	0	0.00	0	0
56099 ALL OTHER OFFICE MACHINE OPERATORS	169	0.12	176	7	4.14	15	22
57102 SWITCHBOARD OPERATORS	173	0.12	191	18	10.40	20	38
57302 MAIL CLERKS, EXC. MAIL MACH. OPERS. & POSTAL SERV.	27	0.02	29	2	7.41	5	7
57311 MESSENGERS	28	0.02	31	3	10.71	5	8
58005 DISPATCHERS-EXC. POLICE, FIRE, & AMBULANCE	125	0.09	138	13	10.40	10	23
58008 PRODUCTION, PLANNING, & EXPEDITING CLERKS	1,577	1.13	1,734	157	9.96	185	342
58017 WEIGHERS, MEASURERS, & CHECKERS - RECORDKEEPING	213	0.15	243	30	14.08	20	50
58021 MARKING CLERKS	*	*	*	*	*	0	0
58023 STOCK CLERKS-STOCKROOM, WAREHOUSE OR STORAGE YARD	1,195	0.85	1,290	95	7.95	115	210
58028 TRAFFIC, SHIPPING, & RECEIVING CLERKS	1,122	0.80	1,232	110	9.80	130	240
58099 ALL OTHER MATERIAL RECORDING/SCHEDULING/DISTRIB.	75	0.05	81	6	8.00	10	16
59999 ALL OTHER CLERICAL & ADMINISTRATIVE SUPPORT WKRS.	322	0.23	351	29	9.01	35	64
60000 SERVICE OCCUPATIONS	**1,813**	**1.30**	**1,965**	**152**	**8.38**	**545**	**697**
61099 ALL OTHER SERVICE SUPERVISORS & MGR./SUPERVISORS	194	0.14	213	19	9.79	40	59
63047 GUARDS & WATCH GUARDS	523	0.37	537	14	2.68	200	214
65099 ALL OTHER FOOD SERVICE WORKERS	148	0.11	172	24	16.22	25	49

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ESTIMATED EMPLOYMENT AND JOB OPENINGS IN MANUFACTURING
-MARICOPA COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
67005 JANITORS & CLEANERS, EXC. MAIDS & HOUSEKEEPING	793	0.57	867	74	9.33	240	314
67099 ALL OTHER CLEANING/BLDG. SERVICE EXC. PRIV. HOUSE.	19	0.01	22	3	15.79	5	8
69999 ALL OTHER SERVICE WORKERS	136	0.10	154	18	13.24	35	53
70000 AGRICULTURE, FORESTRY, & FISHERY OCCUPATIONS	**32**	**0.02**	**36**	**4**	**12.50**	**5**	**9**
80000 PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	**74,700**	**53.39**	**79,560**	**4,860**	**6.51**	**8,475**	**13,335**
81002 FIRST LINE MGRS./SUPERS.- MECHS./INSTALLERS/REPRS.	343	0.25	372	29	8.45	65	94
81005 FIRST LINE MGRS./SUPERS.- CONST. TRADES & EXTRACT.	9	0.01	10	1	11.11	0	1
81008 FIRST LINE MGRS./SUPERS.- PRODUCTION & OPERATIVES	3,487	2.49	3,784	297	8.52	505	802
81011 FIRST LINE MGRS./SUPERS.- TRANSPORTATION OPERS.	191	0.14	211	20	10.47	20	40
81017 FIRST LINE MGRS./SUPERS.- LABORERS & HELPERS	131	0.09	145	14	10.69	15	29
81099 ALL OTHER FIRST LINE MGRS./SUPRS.-MAIN./PROD./CONST	128	0.09	136	8	6.25	15	23
83002 PRECISION INSPECTORS, TESTERS, & GRADERS	2,377	1.70	2,451	74	3.11	360	434
83005 PRODUCTION INSPECTORS, TESTERS, GRADERS, & SORTERS	2,540	1.82	2,606	66	2.60	360	426
83099 ALL OTHER INSPECTORS, TESTERS, & REL. OCCUPATIONS	1	0.00	1	0	0.00	0	0
85110 MACHINERY MAINTENANCE MECHANICS	838	0.60	1,014	176	21.00	100	276
85113 MACHINERY MAINTENANCE MECHANICS, SEWING MACHINES	23	0.02	25	2	8.70	5	7
85118 MACHINERY MAINT. MECHS., WATER/POWER GENER. PLANTS	79	0.06	93	14	17.72	10	24
85119 ALL OTHER MACHINERY MAINTENANCE MECHANICS	29	0.02	36	7	24.14	5	12
85123 MILLWRIGHTS	50	0.04	58	8	16.00	10	18
85128 MACHINERY MAINTENANCE WORKERS	140	0.10	166	26	18.57	20	46
85132 MAINTENANCE REPAIRERS, GENERAL UTILITY	790	0.56	903	113	14.30	125	238
85302 AUTOMOTIVE MECHANICS	40	0.03	46	6	15.00	5	11
85305 AUTOMOTIVE BODY & RELATED REPAIRERS	*	*	*	*	*	0	0
85311 BUS & TRUCK MECHANICS, & DIESEL ENGINE SPECIALISTS	323	0.23	361	38	11.76	30	68
85314 MOBILE HEAVY EQUIPMENT MECHANICS, EXCEPT ENGINES	49	0.04	54	5	10.20	10	15
85323 AIRCRAFT MECHANICS	242	0.17	259	17	7.02	25	42
85326 AIRCRAFT ENGINE SPECIALISTS	184	0.13	198	14	7.61	25	39
85599 ALL OTHER COMMUN. EQUIP. MECHS./INSTALLERS/REPRS.	4	0.00	4	0	0.00	0	0

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ESTIMATED EMPLOYMENT AND JOB OPENINGS IN MANUFACTURING
-MARICOPA COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
85705 DATA PROCESSING EQUIPMENT REPAIRERS	*	*	*	*	*	0	7
85708 ELECTRONIC HOME ENTERTAINMENT EQUIPMENT REPAIRERS	*	*	*	*	*	0	0
85714 ELECTRIC MOTOR, TRANSFORMER, & RELATED REPAIRERS	38	0.03	46	8	21.05	5	13
85717 ELECTRONICS REPAIRERS, COMMERCIAL & INDUST. EQUIP.	425	0.30	475	50	11.76	85	135
85728 ELECTRICAL INSTALLERS & REPRS., TRANSPORT. EQUIP.	51	0.04	59	8	15.69	10	18
85902 HEATING, AIR COND., & REFRIG. MECHS. & INSTALLERS	65	0.05	70	5	7.69	5	10
85905 PRECISION INSTRUMENT REPAIRERS	134	0.10	150	16	11.94	50	66
85938 INSTALLERS/REPAIRERS-MANUFACTURED BLDGS./DWELLINGS	43	0.03	50	7	16.28	5	12
85947 COIN & VENDING MACHINE SERVICERS & REPAIRERS	48	0.03	57	9	18.75	5	14
85999 ALL OTHER MECHANICS, INSTALLERS, & REPAIRERS	263	0.19	291	28	10.65	40	68
87102 CARPENTERS	381	0.27	452	71	18.64	50	121
87202 ELECTRICIANS	474	0.34	530	56	11.81	45	101
87311 CONCRETE & TERRAZZO FINISHERS	69	0.05	75	6	8.70	5	11
87402 PAINTERS & PAPERHANGERS - CONST. & MAINTENANCE	120	0.09	140	20	16.67	20	40
87502 PLUMBERS, PIPEFITTERS, & STEAMFITTERS	115	0.08	130	15	13.04	15	30
87899 ALL OTHER CONSTRUCTION TRADES WORKERS	22	0.02	23	1	4.55	0	1
87900 EXTRACTIVE & RELATED WORKERS -INC. BLASTERS	*	*	*	*	*	0	0
87999 ALL OTHER CONST.-EXTRACT. WKRS. EXC. HELPERS	107	0.08	123	16	14.95	10	26
89102 TOOL & DIE MAKERS	664	0.47	717	53	7.98	260	313
89108 MACHINISTS	2,748	1.96	2,973	225	8.19	400	625
89111 TOOL GRINDERS, FILERS, SHARPENERS (PRECISION)	246	0.18	255	9	3.66	35	44
89114 PATTERN & MODEL MAKERS, METAL	11	0.01	11	0	0.00	5	5
89117 PRECISION LAYOUT WORKERS, METAL	75	0.05	83	8	10.67	55	63
89123 JEWELERS & SILVERSMITHS	86	0.06	102	16	18.60	10	26
89126 PRECISION HAND WORKERS, JEWELRY & RELATED PRODUCTS	*	*	*	*	*	6	1
89128 PRECISION ETCHERS & ENGRAVERS, HAND OR MACHINE	20	0.01	22	2	10.00	0	2
89132 SHEET METAL WORKERS	866	0.62	932	66	7.62	75	141
89199 ALL OTHER PRECISION METAL WORKERS	178	0.13	189	11	6.18	30	41
89302 PATTERN & MODEL MAKERS, WOOD (EXC. CARPENTERS)	45	0.03	47	2	4.44	40	42
89305 PATTERN MARKERS, WOOD	13	0.01	15	2	15.38	0	2

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-MARICOPA COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
89308 WOOD MACHINISTS	133	0.10	151	18	13.53	20	38
89311 CABINETMAKERS & BENCH CARPENTERS	544	0.39	624	80	14.71	90	170
89314 FURNITURE FINISHERS	245	0.18	281	36	14.69	50	86
89399 ALL OTHER PRECISION WOODWORKERS	58	0.04	60	2	3.45	5	7
89502 FABRIC/APPAREL PATTERNMAKERS & LAYOUT WORKERS	18	0.01	19	1	5.56	0	1
89505 CUSTOM TAILORS & SEWERS	12	0.01	12	0	0.00	5	5
89508 UPHOLSTERERS	152	0.11	182	30	19.74	20	50
89511 SHOE & LEATHER WORKERS & REPAIRERS -PRECISION	*	*	*	*	*	5	5
89517 PRESSERS, DELICATE FABRICS	9	0.01	9	0	0.00	0	0
89599 ALL OTHER PRECISION TEXTILE & APPAREL WORKERS	25	0.02	25	0	0.00	0	0
89702 PRECISION COMPOSITORS, TYPESETTERS, & ARRANGERS	218	0.16	238	20	9.17	60	80
89705 JOB PRINTERS	101	0.07	118	17	16.83	30	47
89706 PASTE-UP WORKERS	239	0.17	277	38	15.90	45	83
89707 ELECTRONIC PAGINATION SYSTEM WORKERS	29	0.02	34	5	17.24	5	10
89712 PHOTOENGRAVERS	27	0.02	31	4	14.81	5	9
89713 CAMERA OPERATORS	128	0.09	148	20	15.63	25	45
89715 SCANNER OPERATORS	33	0.02	38	5	15.15	5	10
89717 STRIPPERS	238	0.17	276	38	15.97	45	83
89718 PLATEMAKERS	48	0.03	56	8	16.67	10	18
89719 ALL OTHER LITHOGRAPHY & PHOTOENGRAVING WORKERS	*	*	*	*	*	5	10
89721 BOOKBINDERS	31	0.02	36	5	16.13	5	10
89799 ALL OTHER PRECISION PRINTING WORKERS	45	0.03	52	7	15.56	5	12
89802 SLAUGHTERERS & BUTCHERS	159	0.11	185	26	16.35	20	46
89805 BAKERS, MANUFACTURING	199	0.14	246	47	23.62	35	82
89808 FOOD BATCHMAKERS	176	0.13	208	32	18.18	70	102
89899 ALL OTHER PRECISION FOOD & TOBACCO WORKERS	4	0.00	5	1	25.00	0	1
89902 PRECISION FOUNDRY MOLD & CORE MAKERS	90	0.06	90	0	0.00	10	10
89905 PRECISION MOLDERS/CASTERS, EXC. JEWELRY & FOUNDRY	26	0.02	28	2	7.69	5	7
89911 PRECISION DETAIL DESIGN DECORATORS & PAINTERS	36	0.03	41	5	13.89	5	10
89914 PRECISION PHOTOGRAPHIC PROCESS WORKERS	*	*	*	*	*	0	1

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ESTIMATED EMPLOYMENT AND JOB OPENINGS IN MANUFACTURING
-MARICOPA COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
89917 PRECISION OPTICAL GOODS WORKERS	107	0.08	126	19	17.76	10	29
89923 MEDICAL APPLIANCE MAKERS	*	*	*	*	*	5	9
89999 ALL OTHER PRECISION WORKERS	311	0.22	342	31	9.97	40	71
91102 SAWING MACHINE TOOL SET-UP OPERS. -METAL & PLASTIC	135	0.10	142	7	5.19	10	17
91105 LATHE/TURNING MACH. SET-UP OPERS. -METAL & PLASTIC	515	0.37	535	20	3.88	95	115
91108 DRILLING/BORING MACH. SET-UP OPERS. -METAL & PLAST.	240	0.17	249	9	3.75	55	64
91111 MILLING/PLANING MACH. SET-UP OPERS. -METAL & PLAST.	113	0.08	114	1	0.88	20	21
91114 GRINDING & BUFF. MACH. SET-UP OPRS. -METAL & PLAST.	366	0.26	382	16	4.37	60	76
91117 MACHINE TOOL CUTTING OPERS./TENDERS -METAL & PLAST.	1,120	0.80	1,130	10	0.89	175	185
91302 PUNCHING MACHINE SET-UP OPERS. -METAL & PLASTIC	106	0.08	112	6	5.66	10	16
91305 PRESS/PRESS BRAKE MACH. SET-UP OPRS.-METAL & PLAST.	127	0.09	138	11	8.66	10	21
91308 SHEAR/SLITTER MACH. SET-UP OPERS. -METAL & PLASTIC	67	0.05	73	6	8.96	5	11
91311 EXTRUDING/DRAWING MACH. SET-UP OPRS.-METAL & PLAST.	61	0.04	67	6	9.84	5	11
91314 ROLLING MACHINE SET-UP OPERATORS -METAL & PLASTIC	25	0.02	26	1	4.00	5	6
91317 FORGING MACHINE SET-UP OPERATORS -METAL & PLASTIC	42	0.03	44	2	4.76	10	12
91321 MACHINE FORMING OPERS. & TENDERS -METAL & PLASTIC	1,744	1.25	1,715	-29	-1.66	160	131
91502 NUMER. CONTROL MACHINE TOOL OPERS. -METAL & PLAST.	660	0.47	731	71	10.76	5	76
91505 COMBINATION MACH. TOOL SET-UP OPRS.-METAL & PLAST.	144	0.10	155	11	7.64	10	21
91508 COMBINATION MACHINE TOOL OPERS. -METAL & PLASTIC	152	0.11	161	9	5.92	10	19
91702 WELDING MACHINE SETTERS & SET-UP OPERATORS	123	0.09	122	-1	-0.81	10	9
91705 WELDING MACHINE OPERATORS & TENDERS	111	0.08	111	0	0.00	10	10
91711 SOLDERING & BRAZING MACHINE OPERATORS & TENDERS	18	0.01	19	1	5.56	0	1
91714 METAL FABRICATORS, STRUCTURAL METAL PRODUCTS	174	0.12	193	19	10.92	5	24
91902 PLASTIC MOLDING & CASTING MACHINE SET-UP OPERS.	133	0.10	161	28	21.05	15	43
91905 PLASTIC MOLDING & CASTING MACHINE OPERS. & TENDERS	632	0.45	768	136	21.52	65	201
91908 METAL MOLDING, COREMAKING, & CASTING MACH. SET-UP	56	0.04	56	0	0.00	5	5
91911 METAL MOLDING, COREMAKING, & CASTING MACHINE OPERS.	106	0.08	107	1	0.94	10	11
91914 FOUNDRY MOLD ASSEMBLY & SHAKEOUT WORKERS	40	0.03	38	-2	-5.00	5	3
91917 ELECTROLYTIC COATING MACH. SET-UP OPRS. -MTL. & PL.	288	0.21	308	20	6.94	20	40
91921 ELECTROLYTIC COATING MACH. OPERS. -METAL & PLASTIC	204	0.15	207	3	1.47	15	18

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ESTIMATED EMPLOYMENT AND JOB OPENINGS IN MANUFACTURING
-MARICOPA COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
91923 NONELECTROLYTIC COATING MACH. SET-UP -MTL. & PLAST.	21	0.02	20	-1	-4.76	0	-1
91926 NONELECTROLYTIC COATING MACH. OPRS. -METAL & PLAST.	*	*	*	*	*	5	5
91928 HEATING EQUIPMENT SET-UP OPERS. -METAL & PLASTIC	75	0.05	79	4	5.33	5	9
91932 HEAT TREATING/TEMPERING MACH. OPRS. -METAL & PLAST.	109	0.08	112	3	2.75	10	13
91935 FURNACE OPERATORS & TENDERS	75	0.05	76	1	1.33	5	6
91938 HEATERS, METAL & PLASTIC	67	0.05	75	8	11.94	5	13
92100 ALL OTHER METAL & PLASTIC MACHINE SETTERS/OPERATORS	321	0.23	335	14	4.36	55	69
92302 SAWING MACHINE SETTERS & SET-UP OPERATORS	105	0.08	125	20	19.05	5	25
92308 SAWING MACHINE OPERATORS & TENDERS	148	0.11	175	27	18.24	10	37
92311 WOODWORKING MACH. SET-UP OPERATORS, EXC. SAWING	62	0.04	72	10	16.13	5	15
92314 WOODWORKING MACHINE OPERS. & TENDERS, EXC. SAWING	239	0.17	278	39	16.32	0	39
92510 PRINTING PRESS MACHINE SETTERS & SET-UP OPERATORS	110	0.08	138	28	25.45	20	48
92512 OFFSET LITHOGRAPHIC PRESS SETTERS & SET-UP OPERS.	378	0.27	456	78	20.63	60	138
92515 LETTER PRESS SETTERS & SET-UP OPERATORS	357	0.26	389	32	8.96	50	82
92522 SPECIALTY MATERIALS PRINTING MACH. SET-UP OPERS.	43	0.03	51	8	18.60	10	18
92524 SCREEN PRINTING MACHINE SETTERS & SET-UP OPERS.	187	0.13	223	36	19.25	20	56
92525 BINDERY MACHINE SETTERS & SET-UP OPERATORS	237	0.17	273	36	15.19	25	61
92529 ALL OTHER PRINTING RELATED SETTERS & SET-UP OPERS.	73	0.05	81	8	10.96	5	13
92541 TYPESETTING & COMPOSING MACHINE OPERS. & TENDERS	266	0.19	316	50	18.80	75	125
92543 PRINTING PRESS MACHINE OPERATORS & TENDERS	856	0.61	987	131	15.30	130	261
92545 PHOTOENGRAVING & LITHOGRAPHING MACHINE OPERATORS	13	0.01	15	2	15.38	5	7
92546 BINDERY MACHINE OPERATORS	654	0.47	753	99	15.14	65	164
92549 ALL OTHER PRINTING, BINDING, & REL. MACH. OPERS.	99	0.07	114	15	15.15	10	25
92705 TEXTILE MACHINE OPERS. -WINDING/WEAVING/CUTTING	58	0.04	68	10	17.24	25	35
92714 TEXTILE BLEACHING & DYEING MACH. OPERS. & TENDERS	*	*	*	*	*	0	1
92717 SEWING MACHINE OPERATORS, GARMENT	1,398	1.00	1,379	-19	-1.36	190	171
92721 SEWING MACHINE OPERATORS, NON-GARMENT	695	0.50	723	28	4.03	95	123
92728 PRESSING MACHINE OPERS. -TEXTILE, GARMENTS, & REL.	27	0.02	28	1	3.70	10	11
92900 ALL OTHER MACH. SETTERS & OPERS. EXC. METAL/PLASTIC	6	0.00	7	1	16.67	0	1
92902 ELECTRONIC SEMICONDUCTOR PROCESSORS	3,898	2.79	3,885	-13	-0.33	365	352

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ESTIMATED EMPLOYMENT AND JOB OPENINGS IN MANUFACTURING
-MARICOPA COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
92914 PAPER GOODS MACHINE SETTERS & SET-UP OPERATORS	259	0.19	312	53	20.46	35	88
92917 COOKING MACHINE OPERS. & TENDERS, FOOD & TOBACCO	44	0.03	50	6	13.64	5	11
92921 ROASTING, BAKING, & DRYING MACH. OPERS., FOOD	129	0.09	146	17	13.18	10	27
92923 FURNACE, KILN, OVEN, DRIER, OR KETTLE OPERATORS	35	0.03	38	3	8.57	5	8
92928 COOLING & FREEZING EQUIPMENT OPERATORS & TENDERS	79	0.06	94	15	18.99	10	25
92932 DAIRY PROCESSING EQUIPMENT OPERS. INCL. SETTERS	72	0.05	84	12	16.67	5	17
92935 CHEMICAL EQUIPMENT CONTROLLERS & OPERATORS	12	0.01	12	0	0.00	0	0
92938 CHEMICAL EQUIPMENT TENDERS	20	0.01	21	1	5.00	0	1
92941 CUTTING & SLICING MACH. SETTERS & SET-UP OPERATORS	180	0.13	190	10	5.56	25	35
92944 CUTTING & SLICING MACHINE OPERATORS & TENDERS	204	0.15	219	15	7.35	30	45
92947 PAINTERS, TRANSPORTATION EQUIPMENT	34	0.02	33	-1	-2.94	0	-1
92951 COATING, PAINTING, & SPRAYING MACHINE SET-UP OPRS.	186	0.13	209	23	12.37	15	38
92953 COATING, PAINTING, & SPRAYING MACHINE OPERATORS	274	0.20	311	37	13.50	20	57
92956 CEMENTING & GLUING MACHINE OPERATORS & TENDERS	104	0.07	119	15	14.42	5	20
92958 CLEANING, WASHING, & PICKLING EQUIPMENT OPERATORS	116	0.08	126	10	8.62	0	10
92962 SEPARATING, FILTERING, & CLARIFYING MACH. OPERS.	40	0.03	44	4	10.00	5	9
92965 CRUSHING, GRINDING, & MIXING MACHINE OPERATORS	599	0.43	628	29	4.84	85	114
92968 EXTRUDING, FORMING, & PRESSING MACH. SET-UP OPERS.	276	0.20	324	48	17.39	30	78
92971 EXTRUDING, FORMING, & PRESSING MACHINE OPERATORS	199	0.14	241	42	21.11	25	67
92974 PACKAGING & FILLING MACHINE OPERATORS & TENDERS	1,154	0.82	1,258	104	9.01	100	204
92997 ALL OTHER MACHINE SETTERS & SET-UP OPERATORS	192	0.14	215	23	11.98	15	38
92998 ALL OTHER MACHINE OPERATORS & TENDERS	885	0.63	977	92	10.40	80	172
93102 AIRCRAFT STRUCTURE & SYSTEMS ASSEMBLERS -PRECISION	161	0.12	168	7	4.35	10	17
93105 MACHINE BUILDERS & PRECISION MACHINE ASSEMBLERS	563	0.40	541	-22	-3.91	40	18
93108 FITTERS, STRUCTURAL METAL -PRECISION	117	0.08	129	12	10.26	10	22
93111 ELECTROMECHANICAL EQUIPMENT ASSEMBLERS -PRECISION	1,491	1.07	1,511	20	1.34	115	135
93114 ELECTRICAL/ELECTRONIC EQUIP. ASSEMBLERS -PRECISION	4,509	3.22	3,974	-535	-11.87	325	-210
93197 ALL OTHER PRECISION ASSEMBLERS, METAL	819	0.59	879	60	7.33	80	140
93902 MACHINE ASSEMBLERS	699	0.50	687	-12	-1.72	50	38
93905 ELECTRICAL & ELECTRONIC ASSEMBLERS	1,613	1.15	1,404	-209	-12.96	115	-94

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-MARICOPA COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
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93908 COIL WINDERS, TAPERS, & FINISHERS	152	0.11	158	6	3.95	15	21
93911 GLAZIERS, MANUFACTURING	44	0.03	49	5	11.36	5	10
93914 WELDERS & CUTTERS	791	0.57	821	30	3.79	55	85
93917 SOLDERERS & BRAZERS	65	0.05	69	4	6.15	5	9
93921 PRESSERS, HAND	8	0.01	8	0	0.00	0	0
93923 SEWERS, HAND	36	0.03	37	1	2.78	0	1
93926 CUTTERS & TRIMMERS, HAND	229	0.16	264	35	15.28	0	35
93928 PORTABLE MACHINE CUTTERS	20	0.01	20	0	0.00	0	0
93935 CANNERY WORKERS	*	*	*	*	*	10	26
93938 MEAT, POULTRY, & FISH CUTTERS & TRIMMERS -HAND	187	0.13	233	46	24.60	0	46
93941 METAL POURERS & CASTERS, BASIC SHAPES	41	0.03	39	-2	-4.88	0	-2
93944 MOLDERS & CASTERS, HAND	82	0.06	93	11	13.41	5	16
93947 PAINTING, COATING, & DECORATING WORKERS, HAND	148	0.11	165	17	11.49	20	37
93953 GRINDING & POLISHING WORKERS, HAND	437	0.31	454	17	3.89	80	97
93956 ASSEMBLERS/FABRICATORS -EX. MACH., ELECT., PRECI.	5,856	4.19	6,427	571	9.75	460	31
93999 ALL OTHER HAND WORKERS	731	0.52	791	60	8.21	70	130
95008 CHEMICAL PLANT & SYSTEM OPERATORS	*	*	*	*	*	0	0
95028 POWER DISTRIBUTORS & DISPATCHERS	*	*	*	*	*	15	27
95032 STATIONARY ENGINEERS	23	0.02	27	4	17.39	5	9
95099 ALL OTHER PLANT & SYSTEM OPERATORS	76	0.05	75	-1	-1.32	15	14
97102 TRUCK DRIVERS, HEAVY OR TRACTOR TRAILER	1,890	1.35	2,159	269	14.23	185	454
97105 TRUCK DRIVERS, LIGHT-INCL. DELIVERY & ROUTE WKRS.	719	0.51	856	137	19.05	50	187
97117 DRIVER/SALES WORKERS	531	0.38	619	88	16.57	70	158
97199 ALL OTHER MOTOR VEHICLE OPERATORS	43	0.03	48	5	11.63	10	15
97899 ALL OTHER TRANSPORTATION & RELATED WORKERS	64	0.05	70	6	9.38	10	16
97938 GRADER, DOZER, & SCRAPER OPERATORS	30	0.02	33	3	10.00	5	8
97944 CRANE & TOWER OPERATORS	49	0.04	54	5	10.20	5	10
97947 INDUSTRIAL TRUCK & TRACTOR OPERATORS	674	0.48	718	44	6.53	35	79
97951 CONVEYOR OPERATORS & TENDERS	140	0.10	158	18	12.86	10	28
97956 OPERATING ENGINEERS	265	0.19	292	27	10.19	35	62

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-MARICOPA COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
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97989 ALL OTHER TRANSPORT./MATL. MOVING EQUIP. OPERS.	58	0.04	61	3	5.17	10	13
97999 ALL OTHER MATERIAL MOVING EQUIPMENT OPERATORS	2	0.00	2	0	0.00	0	0
98102 MECHANIC & REPAIRER HELPERS	115	0.08	125	10	8.70	5	15
98319 HELPERS -ALL OTHER CONSTRUCTION TRADES	97	0.07	110	13	13.40	5	18
98502 MACHINE FEEDERS & OFFBEARERS	857	0.61	896	39	4.55	60	99
98799 ALL OTHER FREIGHT, STOCK, & MATERIAL MOVERS, HAND	1,504	1.07	1,605	101	6.72	70	171
98902 HAND PACKERS & PACKAGERS	1,126	0.80	1,182	56	4.97	70	126
98905 VEHICLE WASHERS & EQUIPMENT CLEANERS	66	0.05	78	12	18.18	5	17
98999 ALL OTHER HELPERS, LABORERS, & MATL. MOVERS, HAND	1,267	0.91	1,401	134	10.58	145	279
TOTAL OF ALL OCCUPATIONS	**139,922**	**100.00**	**152,263**	**12,341**	**8.82**	**17,875**	**30,216**

*SUPPRESSED DATA THAT IS CONFIDENTIAL

ESTIMATED EMPLOYMENT AND JOB OPENINGS IN MANUFACTURING
-MOHAVE COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
10000 MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	**163**	**6.18**	**197**	**34**	**20.86**	**30**	**64**
13002 FINANCIAL MANAGERS	14	0.53	16	2	14.29	0	2
13005 PERSONNEL, TRAINING, & LABOR RELATIONS MANAGERS	7	0.27	7	0	0.00	0	0
13011 MARKETING, ADVERTISING, & PUBLIC RELATIONS MGRS.	21	0.80	24	3	14.29	5	8
13014 ADMINISTRATIVE SERVICES MANAGERS	5	0.19	7	2	40.00	0	2
13017 ENGINEERING, MATH, & NATURAL SCIENCES MANAGERS	*	*	*	*	*	0	2
15014 INDUSTRIAL PRODUCTION MANAGERS	44	1.67	55	11	25.00	10	21
19005 GENERAL MANAGERS & TOP EXECUTIVES	45	1.71	55	10	22.22	10	20
19999 ALL OTHER MANAGERS & ADMINISTRATORS	19	0.72	23	4	21.05	5	9
20000 PROFESSIONAL, PARAPROFESSIONAL, & TECH. OCCUPATIONS	**190**	**7.20**	**227**	**37**	**19.47**	**15**	**52**
21114 ACCOUNTANTS & AUDITORS	6	0.23	6	0	0.00	0	0
21199 ALL OTHER FINANCIAL SPECIALISTS	5	0.19	5	0	0.00	0	0
21308 PURCHASING AGENTS, EXC. WHOLESALE, RETAIL, & FARM	16	0.61	18	2	12.50	5	7
21902 COST ESTIMATORS	5	0.19	6	1	20.00	0	1
21999 ALL OTHER MANAGEMENT SUPPORT WORKERS	7	0.27	7	0	0.00	0	0
22135 MECHANICAL ENGINEERS	6	0.23	6	0	0.00	0	0
22199 ALL OTHER ENGINEERS	11	0.42	14	3	27.27	0	3
22502 CIVIL ENGINEERING TECHNICIANS & TECHNOLOGISTS	*	*	*	*	*	0	6
22508 INDUSTRIAL ENGINEERING TECHNICIANS/TECHNOLOGISTS	5	0.19	6	1	20.00	0	1
22511 MECHANICAL ENGINEERING TECHNICIANS/TECHNOLOGISTS	22	0.83	27	5	22.73	5	10
22599 ALL OTHER ENGINEERING & RELATED TECHS.	22	0.83	27	5	22.73	0	5
24399 ALL OTHER LIFE SCIENTISTS	*	*	*	*	*	0	0
25105 COMPUTER PROGRAMMERS	8	0.30	11	3	37.50	0	3
25199 ALL OTHER COMPUTER SCIENTISTS	6	0.23	7	1	16.67	0	1
32999 ALL OTHER HEALTH PARA/PROFESSIONALS & TECHNS.	1	0.04	1	0	0.00	0	0
34002 WRITERS & EDITORS	13	0.49	15	2	15.38	5	7
34011 REPORTERS & CORRESPONDENTS	9	0.34	11	2	22.22	0	2
39999 ALL OTHER PROFESSIONAL, PARAPROFESSIONAL, & TECHN.	29	1.10	35	6	20.69	0	6

*SUPPRESSED DATA THAT IS CONFIDENTIAL

ESTIMATED EMPLOYMENT AND JOB OPENINGS IN MANUFACTURING
-MOHAVE COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
40000 SALES & RELATED OCCUPATIONS	**68**	**2.58**	**80**	**12**	**17.65**	**15**	**27**
41002 FIRST LINE SUPERVISORS & MGR./SUPERVISORS -SALES	16	0.61	18	2	12.50	5	7
43023 SALES AGENTS, ADVERTISING	15	0.57	17	2	13.33	5	7
49005 SALES REPS., SCIENTIFIC PROD. & SERV. EXC. RETAIL	*	*	*	*	*	0	1
49008 OTHER SALES REPRESENTATIVES, EXCEPT RETAIL	21	0.80	26	5	23.81	5	10
49011 SALESPERSONS, RETAIL	*	*	*	*	*	0	1
49999 ALL OTHER SALES & RELATED WORKERS	6	0.23	7	1	16.67	0	1
50000 CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	**252**	**9.55**	**289**	**37**	**14.68**	**35**	**72**
51002 FIRST LINE SUPERVISORS-CLERICAL & ADMIN. SUPPORT	21	0.80	23	2	9.52	5	7
53123 ADJUSTMENT CLERKS	*	*	*	*	*	0	1
55100 SECRETARIES	17	0.64	21	4	23.53	5	9
55305 RECEPTIONISTS & INFORMATION CLERKS	10	0.38	11	1	10.00	0	1
55338 BOOKKEEPING, ACCOUNTING, & AUDITING CLERKS	39	1.48	47	8	20.51	10	18
55347 GENERAL OFFICE CLERKS	42	1.59	49	7	16.67	5	12
56011 COMPUTER OPERATORS, EXC. PERIPHERAL EQUIPMENT	5	0.19	5	0	0.00	0	0
56017 DATA ENTRY KEYERS, EXC. COMPOSING	*	*	*	*	*	0	0
57199 ALL OTHER COMMUNICATIONS EQUIPMENT OPERATORS	1	0.04	1	0	0.00	0	0
58008 PRODUCTION, PLANNING, & EXPEDITING CLERKS	24	0.91	29	5	20.83	5	10
58023 STOCK CLERKS-STOCKROOM, WAREHOUSE OR STORAGE YARD	24	0.91	27	3	12.50	0	3
58028 TRAFFIC, SHIPPING, & RECEIVING CLERKS	30	1.14	36	6	20.00	5	11
58099 ALL OTHER MATERIAL RECORDING/SCHEDULING/DISTRIB.	3	0.11	3	0	0.00	0	0
59999 ALL OTHER CLERICAL & ADMINISTRATIVE SUPPORT WKRS.	19	0.72	19	0	0.00	0	0
60000 SERVICE OCCUPATIONS	**40**	**1.52**	**42**	**2**	**5.00**	**5**	**7**
61099 ALL OTHER SERVICE SUPERVISORS & MGR./SUPERVISORS	10	0.38	11	1	10.00	0	1
63047 GUARDS & WATCH GUARDS	17	0.64	18	1	5.88	5	6
67005 JANITORS & CLEANERS, EXC. MAIDS & HOUSEKEEPING	6	0.23	6	0	0.00	0	0
67099 ALL OTHER CLEANING/BLDG. SERVICE EXC. PRIV. HOUSE.	4	0.15	4	0	0.00	0	0
69999 ALL OTHER SERVICE WORKERS	3	0.11	3	0	0.00	0	0

SUPPRESSED DATA THAT IS CONFIDENTIAL

ESTIMATED EMPLOYMENT AND JOB OPENINGS IN MANUFACTURING
-MOHAVE COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
70000 AGRICULTURE, FORESTRY, & FISHERY OCCUPATIONS	**1**	**0.04**	**1**	**0**	**0.00**	**0**	**0**
80000 PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	**1,925**	**72.94**	**2,313**	**388**	**20.16**	**185**	**573**
81002 FIRST LINE MGRS./SUPERS.- MECHS./INSTALLERS/REPRS.	7	0.27	7	0	0.00	0	0
81008 FIRST LINE MGRS./SUPERS.- PRODUCTION & OPERATIVES	70	2.65	83	13	18.57	10	23
81017 FIRST LINE MGRS./SUPERS.- LABORERS & HELPERS	*	*	*	*	*	0	1
81099 ALL OTHER FIRST LINE MGRS./SUPRS.-MAIN./PROD./CONST	7	0.27	8	1	14.29	0	1
83005 PRODUCTION INSPECTORS, TESTERS, GRADERS, & SORTERS	31	1.17	35	4	12.90	5	9
83099 ALL OTHER INSPECTORS, TESTERS, & REL. OCCUPATIONS	2	0.08	2	0	0.00	0	0
85110 MACHINERY MAINTENANCE MECHANICS	*	*	*	*	*	5	16
85119 ALL OTHER MACHINERY MAINTENANCE MECHANICS	1	0.04	1	0	0.00	0	0
85128 MACHINERY MAINTENANCE WORKERS	*	*	*	*	*	0	0
85132 MAINTENANCE REPAIRERS, GENERAL UTILITY	23	0.87	28	5	21.74	5	10
85302 AUTOMOTIVE MECHANICS	*	*	*	*	*	10	33
85311 BUS & TRUCK MECHANICS, & DIESEL ENGINE SPECIALISTS	11	0.42	13	2	18.18	0	2
85999 ALL OTHER MECHANICS, INSTALLERS, & REPAIRERS	9	0.34	10	1	11.11	0	1
87102 CARPENTERS	*	*	*	*	*	0	3
87202 ELECTRICIANS	*	*	*	*	*	5	13
87899 ALL OTHER CONSTRUCTION TRADES WORKERS	4	0.15	4	0	0.00	0	0
87900 EXTRACTIVE & RELATED WORKERS -INC. BLASTERS	*	*	*	*	*	0	1
89102 TOOL & DIE MAKERS	16	0.61	18	2	12.50	5	7
89108 MACHINISTS	7	0.27	8	1	14.29	0	1
89132 SHEET METAL WORKERS	*	*	*	*	*	0	4
89199 ALL OTHER PRECISION METAL WORKERS	1	0.04	1	0	0.00	0	0
89399 ALL OTHER PRECISION WOODWORKERS	*	*	*	*	*	0	2
89702 PRECISION COMPOSITORS, TYPESETTERS, & ARRANGERS	*	*	*	*	*	0	1
89706 PASTE-UP WORKERS	13	0.49	15	2	15.38	0	2
89713 CAMERA OPERATORS	5	0.19	6	1	20.00	0	1
89799 ALL OTHER PRECISION PRINTING WORKERS	11	0.42	13	2	18.18	0	2
89902 PRECISION FOUNDRY MOLD & CORE MAKERS	10	0.38	11	1	10.00	0	1

SUPPRESSED DATA THAT IS CONFIDENTIAL

ESTIMATED EMPLOYMENT AND JOB OPENINGS IN MANUFACTURING
-MOHAVE COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
89911 PRECISION DETAIL DESIGN DECORATORS & PAINTERS	*	*	*	*	*	0	2
89999 ALL OTHER PRECISION WORKERS	10	0.38	13	3	30.00	0	3
91102 SAWING MACHINE TOOL SET-UP OPERS. -METAL & PLASTIC	7	0.27	8	1	14.29	0	1
91105 LATHE/TURNING MACH. SET-UP OPERS. -METAL & PLASTIC	9	0.34	10	1	11.11	0	1
91108 DRILLING/BORING MACH. SET-UP OPERS. -METAL & PLAST.	6	0.23	7	1	16.67	0	1
91111 MILLING/PLANING MACH. SET-UP OPERS. -METAL & PLAST.	21	0.80	24	3	14.29	5	8
91114 GRINDING & BUFF. MACH. SET-UP OPRS. -METAL & PLAST.	*	*	*	*	*	0	1
91117 MACHINE TOOL CUTTING OPERS./TENDERS -METAL & PLAST.	127	4.81	141	14	11.02	20	34
91311 EXTRUDING/DRAWING MACH. SET-UP OPRS.-METAL & PLAST.	*	*	*	*	*	0	4
91321 MACHINE FORMING OPERS. & TENDERS -METAL & PLASTIC	137	5.19	154	17	12.41	15	32
91905 PLASTIC MOLDING & CASTING MACHINE OPERS. & TENDERS	*	*	*	*	*	15	56
91935 FURNACE OPERATORS & TENDERS	*	*	*	*	*	0	1
92100 ALL OTHER METAL & PLASTIC MACHINE SETTERS/OPERATORS	18	0.68	19	1	5.56	0	1
92314 WOODWORKING MACHINE OPERS. & TENDERS, EXC. SAWING	*	*	*	*	*	0	6
92512 OFFSET LITHOGRAPHIC PRESS SETTERS & SET-UP OPERS.	13	0.49	15	2	15.38	0	2
92541 TYPESETTING & COMPOSING MACHINE OPERS. & TENDERS	10	0.38	12	2	20.00	5	7
92543 PRINTING PRESS MACHINE OPERATORS & TENDERS	11	0.42	14	3	27.27	0	3
92549 ALL OTHER PRINTING, BINDING, & REL. MACH. OPERS.	8	0.30	9	1	12.50	0	1
92714 TEXTILE BLEACHING & DYEING MACH. OPERS. & TENDERS	*	*	*	*	*	0	4
92717 SEWING MACHINE OPERATORS, GARMENT	*	*	*	*	*	10	23
92721 SEWING MACHINE OPERATORS, NON-GARMENT	*	*	*	*	*	10	23
92900 ALL OTHER MACH. SETTERS & OPERS. EXC. METAL/PLASTIC	16	0.61	18	2	12.50	0	2
92941 CUTTING & SLICING MACH. SETTERS & SET-UP OPERATORS	*	*	*	*	*	0	1
92956 CEMENTING & GLUING MACHINE OPERATORS & TENDERS	*	*	*	*	*	0	4
92962 SEPARATING, FILTERING, & CLARIFYING MACH. OPERS.	*	*	*	*	*	0	2
92965 CRUSHING, GRINDING, & MIXING MACHINE OPERATORS	11	0.42	12	1	9.09	0	1
92974 PACKAGING & FILLING MACHINE OPERATORS & TENDERS	27	1.02	32	5	18.52	0	5
92998 ALL OTHER MACHINE OPERATORS & TENDERS	15	0.57	19	4	26.67	0	4
93197 ALL OTHER PRECISION ASSEMBLERS, METAL	5	0.19	4	-1	-20.00	0	-1
93905 ELECTRICAL & ELECTRONIC ASSEMBLERS	76	2.88	82	6	7.89	5	11

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ESTIMATED EMPLOYMENT AND JOB OPENINGS IN MANUFACTURING
-MOHAVE COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
93914 WELDERS & CUTTERS	9	0.34	11	2	22.22	0	2
93956 ASSEMBLERS/FABRICATORS -EX. MACH., ELECT., PRECI.	323	12.24	387	64	19.81	25	89
93999 ALL OTHER HAND WORKERS	28	1.06	36	8	28.57	0	8
95099 ALL OTHER PLANT & SYSTEM OPERATORS	*	*	*	*	*	0	0
97102 TRUCK DRIVERS, HEAVY OR TRACTOR TRAILER	64	2.43	74	10	15.63	5	15
97105 TRUCK DRIVERS, LIGHT-INCL. DELIVERY & ROUTE WKRS.	14	0.53	18	4	28.57	0	4
97199 ALL OTHER MOTOR VEHICLE OPERATORS	*	*	*	*	*	15	38
97938 GRADER, DOZER, & SCRAPER OPERATORS	*	*	*	*	*	0	0
97947 INDUSTRIAL TRUCK & TRACTOR OPERATORS	16	0.61	20	4	25.00	0	4
97999 ALL OTHER MATERIAL MOVING EQUIPMENT OPERATORS	2	0.08	2	0	0.00	0	0
98319 HELPERS -ALL OTHER CONSTRUCTION TRADES	*	*	*	*	*	0	2
98502 MACHINE FEEDERS & OFFBEARERS	8	0.30	10	2	25.00	0	2
98799 ALL OTHER FREIGHT, STOCK, & MATERIAL MOVERS, HAND	78	2.96	93	15	19.23	5	20
98902 HAND PACKERS & PACKAGERS	52	1.97	58	6	11.54	5	11
98999 ALL OTHER HELPERS, LABORERS, & MATL. MOVERS, HAND	*	*	*	*	*	0	1
TOTAL OF ALL OCCUPATIONS	**2,639**	**100.00**	**3,149**	**510**	**19.33**	**285**	**795**

*SUPPRESSED DATA THAT IS CONFIDENTIAL

ESTIMATED EMPLOYMENT AND JOB OPENINGS IN MANUFACTURING
-NAVAJO COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
10000 MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	**100**	**5.04**	**121**	**21**	**21.00**	**15**	**36**
13011 MARKETING, ADVERTISING, & PUBLIC RELATIONS MGRS.	5	0.25	5	0	0.00	0	0
15014 INDUSTRIAL PRODUCTION MANAGERS	26	1.31	34	8	30.77	5	13
19005 GENERAL MANAGERS & TOP EXECUTIVES	49	2.47	58	9	18.37	10	19
19999 ALL OTHER MANAGERS & ADMINISTRATORS	20	1.01	24	4	20.00	0	4
20000 PROFESSIONAL, PARAPROFESSIONAL, & TECH. OCCUPATIONS	**68**	**3.42**	**83**	**15**	**22.06**	**0**	**15**
21114 ACCOUNTANTS & AUDITORS	5	0.25	6	1	20.00	0	1
21999 ALL OTHER MANAGEMENT SUPPORT WORKERS	8	0.40	11	3	37.50	0	3
22199 ALL OTHER ENGINEERS	6	0.30	8	2	33.33	0	2
22599 ALL OTHER ENGINEERING & RELATED TECHS.	3	0.15	4	1	33.33	0	1
24399 ALL OTHER LIFE SCIENTISTS	2	0.10	2	0	0.00	0	0
24505 CHEMICAL TECHNICIANS & TECHNOLOGISTS, EXC. HEALTH	7	0.35	9	2	28.57	0	2
24599 ALL OTHER PHYSICAL & LIFE SCIENCE TECHS.	16	0.81	19	3	18.75	0	3
34011 REPORTERS & CORRESPONDENTS	7	0.35	8	1	14.29	0	1
34035 ARTISTS & RELATED WORKERS	7	0.35	8	1	14.29	0	1
39999 ALL OTHER PROFESSIONAL, PARAPROFESSIONAL, & TECHN.	7	0.35	8	1	14.29	0	1
40000 SALES & RELATED OCCUPATIONS	**41**	**2.06**	**47**	**6**	**14.63**	**0**	**6**
41002 FIRST LINE SUPERVISORS & MGR./SUPERVISORS -SALES	11	0.55	12	1	9.09	0	1
43023 SALES AGENTS, ADVERTISING	7	0.35	8	1	14.29	0	1
49008 OTHER SALES REPRESENTATIVES, EXCEPT RETAIL	*	*	*	*	*	0	2
49999 ALL OTHER SALES & RELATED WORKERS	*	*	*	*	*	0	2
50000 CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	**158**	**7.96**	**191**	**33**	**20.89**	**20**	**53**
51002 FIRST LINE SUPERVISORS-CLERICAL & ADMIN. SUPPORT	7	0.35	8	1	14.29	0	1
55100 SECRETARIES	19	0.96	21	2	10.53	5	7
55308 TYPISTS	*	*	*	*	*	0	1
55338 BOOKKEEPING, ACCOUNTING, & AUDITING CLERKS	25	1.26	31	6	24.00	5	11
55347 GENERAL OFFICE CLERKS	17	0.86	21	4	23.53	5	9

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ESTIMATED EMPLOYMENT AND JOB OPENINGS IN MANUFACTURING
-NAVAJO COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
56017 DATA ENTRY KEYERS, EXC. COMPOSING	*	*	*	*	*	0	1
56099 ALL OTHER OFFICE MACHINE OPERATORS	2	0.10	2	0	0.00	0	0
57199 ALL OTHER COMMUNICATIONS EQUIPMENT OPERATORS	1	0.05	1	0	0.00	0	0
57302 MAIL CLERKS, EXC. MAIL MACH. OPERS. & POSTAL SERV.	*	*	*	*	*	0	1
58008 PRODUCTION, PLANNING, & EXPEDITING CLERKS	*	*	*	*	*	0	1
58017 WEIGHERS, MEASURERS, & CHECKERS - RECORDKEEPING	7	0.35	8	1	14.29	0	1
58023 STOCK CLERKS-STOCKROOM, WAREHOUSE OR STORAGE YARD	22	1.11	28	6	27.27	0	6
58028 TRAFFIC, SHIPPING, & RECEIVING CLERKS	21	1.06	27	6	28.57	5	11
59999 ALL OTHER CLERICAL & ADMINISTRATIVE SUPPORT WKRS.	14	0.70	17	3	21.43	0	3
60000 SERVICE OCCUPATIONS	**17**	**0.86**	**20**	**3**	**17.65**	**0**	**3**
61099 ALL OTHER SERVICE SUPERVISORS & MGR./SUPERVISORS	*	*	*	*	*	0	0
67005 JANITORS & CLEANERS, EXC. MAIDS & HOUSEKEEPING	*	*	*	*	*	0	2
67099 ALL OTHER CLEANING/BLDG. SERVICE EXC. PRIV. HOUSE.	2	0.10	2	0	0.00	0	0
69999 ALL OTHER SERVICE WORKERS	7	0.35	8	1	14.29	0	1
70000 AGRICULTURE, FORESTRY, & FISHERY OCCUPATIONS	**259**	**13.04**	**316**	**57**	**22.01**	**0**	**57**
72000 FIRST LINE SUPERVISORS	*	*	*	*	*	0	1
73002 FALLERS & BUCKERS	43	2.17	52	9	20.93	0	9
73005 CHOKE SETTERS	22	1.11	27	5	22.73	0	5
73008 LOG HANDLING EQUIPMENT OPERATORS	59	2.97	74	15	25.42	0	15
73011 LOGGING TRACTOR OPERATORS	43	2.17	53	10	23.26	0	10
73099 ALL OTHER TIMBER CUTTING & RELATED LOGGING WORKERS	39	1.96	47	8	20.51	0	8
79008 LOG GRADERS & SCALERS	39	1.96	47	8	20.51	0	8
79999 ALL OTHER AG., FORESTRY, FISHING, & RELATED WKRS.	*	*	*	*	*	0	1
80000 PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	**1,343**	**67.62**	**1,653**	**310**	**23.08**	**120**	**430**
81002 FIRST LINE MGRS./SUPERS.- MECHS./INSTALLERS/REPRS.	24	1.21	31	7	29.17	5	12
81008 FIRST LINE MGRS./SUPERS.- PRODUCTION & OPERATIVES	40	2.01	47	7	17.50	5	12
81011 FIRST LINE MGRS./SUPERS.- TRANSPORTATION OPERS.	*	*	*	*	*	0	1

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ESTIMATED EMPLOYMENT AND JOB OPENINGS IN MANUFACTURING
-NAVAJO COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
83002 PRECISION INSPECTORS, TESTERS, & GRADERS	13	0.65	14	1	7.69	0	1
83005 PRODUCTION INSPECTORS, TESTERS, GRADERS, & SORTERS	20	1.01	23	3	15.00	5	8
85110 MACHINERY MAINTENANCE MECHANICS	15	0.76	19	4	26.67	0	4
85118 MACHINERY MAINT. MECHS., WATER/POWER GENER. PLANTS	*	*	*	*	*	0	6
85119 ALL OTHER MACHINERY MAINTENANCE MECHANICS	3	0.15	4	1	33.33	0	1
85128 MACHINERY MAINTENANCE WORKERS	*	*	*	*	*	0	5
85132 MAINTENANCE REPAIRERS, GENERAL UTILITY	29	1.46	39	10	34.48	5	15
85311 BUS & TRUCK MECHANICS, & DIESEL ENGINE SPECIALISTS	15	0.76	19	4	26.67	0	4
85905 PRECISION INSTRUMENT REPAIRERS	28	1.41	39	11	39.29	10	21
85947 COIN & VENDING MACHINE SERVICERS & REPAIRERS	*	*	*	*	*	0	1
85999 ALL OTHER MECHANICS, INSTALLERS, & REPAIRERS	52	2.62	69	17	32.69	10	27
87202 ELECTRICIANS	10	0.50	13	3	30.00	0	3
87502 PLUMBERS, PIPEFITTERS, & STEAMFITTERS	5	0.25	7	2	40.00	0	2
87899 ALL OTHER CONSTRUCTION TRADES WORKERS	4	0.20	5	1	25.00	0	1
89108 MACHINISTS	*	*	*	*	*	0	2
89199 ALL OTHER PRECISION METAL WORKERS	4	0.20	5	1	25.00	0	1
89308 WOOD MACHINISTS	*	*	*	*	*	0	1
89799 ALL OTHER PRECISION PRINTING WORKERS	5	0.25	5	0	0.00	0	0
92302 SAWING MACHINE SETTERS & SET-UP OPERATORS	*	*	*	*	*	0	1
92305 HEAD SAWYERS	32	1.61	40	8	25.00	0	8
92308 SAWING MACHINE OPERATORS & TENDERS	103	5.19	129	26	25.24	5	31
92311 WOODWORKING MACH. SET-UP OPERATORS, EXC. SAWING	11	0.55	13	2	18.18	0	2
92314 WOODWORKING MACHINE OPERS. & TENDERS, EXC. SAWING	*	*	*	*	*	0	3
92543 PRINTING PRESS MACHINE OPERATORS & TENDERS	6	0.30	7	1	16.67	0	1
92549 ALL OTHER PRINTING, BINDING, & REL. MACH. OPERS.	1	0.05	1	0	0.00	0	0
92717 SEWING MACHINE OPERATORS, GARMENT	*	*	*	*	*	5	14
92923 FURNACE, KILN, OVEN, DRIER, OR KETTLE OPERATORS	*	*	*	*	*	0	1
92926 BOILER OPERATORS & TENDERS, LOW PRESSURE	*	*	*	*	*	0	4
92935 CHEMICAL EQUIPMENT CONTROLLERS & OPERATORS	30	1.51	39	9	30.00	5	14
92938 CHEMICAL EQUIPMENT TENDERS	46	2.32	59	13	28.26	5	18

*SUPPRESSED DATA THAT IS CONFIDENTIAL

ESTIMATED EMPLOYMENT AND JOB OPENINGS IN MANUFACTURING
-NAVAJO COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
92965 CRUSHING, GRINDING, & MIXING MACHINE OPERATORS	74	3.73	95	21	28.38	10	31
92974 PACKAGING & FILLING MACHINE OPERATORS & TENDERS	*	*	*	*	*	0	2
92997 ALL OTHER MACHINE SETTERS & SET-UP OPERATORS	*	*	*	*	*	0	6
92998 ALL OTHER MACHINE OPERATORS & TENDERS	29	1.46	35	6	20.69	5	11
93956 ASSEMBLERS/FABRICATORS -EX. MACH., ELECT., PRECI.	*	*	*	*	*	0	2
93999 ALL OTHER HAND WORKERS	9	0.45	11	2	22.22	0	2
97102 TRUCK DRIVERS, HEAVY OR TRACTOR TRAILER	58	2.92	71	13	22.41	5	18
97105 TRUCK DRIVERS, LIGHT-INCL. DELIVERY & ROUTE WKRS.	36	1.81	45	9	25.00	5	14
97947 INDUSTRIAL TRUCK & TRACTOR OPERATORS	45	2.27	55	10	22.22	5	15
97999 ALL OTHER MATERIAL MOVING EQUIPMENT OPERATORS	4	0.20	5	1	25.00	0	1
98102 MECHANIC & REPAIRER HELPERS	26	1.31	34	8	30.77	0	8
98502 MACHINE FEEDERS & OFFBEARERS	143	7.20	163	20	13.99	10	30
98799 ALL OTHER FREIGHT, STOCK, & MATERIAL MOVERS, HAND	37	1.86	42	5	13.51	0	5
98902 HAND PACKERS & PACKAGERS	14	0.70	15	1	7.14	0	1
98999 ALL OTHER HELPERS, LABORERS, & MATL. MOVERS, HAND	168	8.46	207	39	23.21	20	59
TOTAL OF ALL OCCUPATIONS	**1,986**	**100.00**	**2,431**	**445**	**22.41**	**155**	**600**

*SUPPRESSED DATA THAT IS CONFIDENTIAL

ESTIMATED EMPLOYMENT AND JOB OPENINGS IN MANUFACTURING
-PIMA COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
10000 MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	**2,186**	**7.85**	**2,332**	**146**	**6.68**	**380**	**526**
13002 FINANCIAL MANAGERS	101	0.36	102	1	0.99	10	11
13005 PERSONNEL, TRAINING, & LABOR RELATIONS MANAGERS	65	0.23	67	2	3.08	10	12
13008 PURCHASING MANAGERS	66	0.24	66	0	0.00	5	5
13011 MARKETING, ADVERTISING, & PUBLIC RELATIONS MGRS.	127	0.46	131	4	3.15	20	24
13014 ADMINISTRATIVE SERVICES MANAGERS	57	0.20	57	0	0.00	10	10
13017 ENGINEERING, MATH, & NATURAL SCIENCES MANAGERS	713	2.56	784	71	9.96	130	201
15014 INDUSTRIAL PRODUCTION MANAGERS	325	1.17	359	34	10.46	60	94
19005 GENERAL MANAGERS & TOP EXECUTIVES	617	2.21	649	32	5.19	115	147
19999 ALL OTHER MANAGERS & ADMINISTRATORS	115	0.41	117	2	1.74	20	22
20000 PROFESSIONAL, PARAPROFESSIONAL, & TECH. OCCUPATIONS	**7,551**	**27.10**	**8,021**	**470**	**6.22**	**815**	**1,285**
21114 ACCOUNTANTS & AUDITORS	136	0.49	137	1	0.74	25	26
21199 ALL OTHER FINANCIAL SPECIALISTS	91	0.33	95	4	4.40	15	19
21308 PURCHASING AGENTS, EXC. WHOLESALE, RETAIL, & FARM	243	0.87	251	8	3.29	40	48
21511 PERSONNEL, TRAINING, & LABOR REL. SPECIALISTS	108	0.39	113	5	4.63	10	15
21902 COST ESTIMATORS	93	0.33	106	13	13.98	15	28
21999 ALL OTHER MANAGEMENT SUPPORT WORKERS	393	1.41	411	18	4.58	70	88
22105 METALLURGISTS & METALLURGICAL & MATRLS. ENGINEERS	13	0.05	16	3	23.08	0	3
22114 CHEMICAL ENGINEERS	24	0.09	24	0	0.00	5	5
22126 ELECTRICAL & ELECTRONIC ENGINEERS	818	2.94	899	81	9.90	80	161
22127 COMPUTER ENGINEERS	41	0.15	41	0	0.00	5	5
22128 INDUSTRIAL ENGINEERS, EXC. SAFETY	387	1.39	411	24	6.20	50	74
22132 SAFETY ENGINEERS, EXC. MINING	6	0.02	6	0	0.00	0	0
22135 MECHANICAL ENGINEERS	437	1.57	433	-4	-0.92	70	66
22199 ALL OTHER ENGINEERS	1,199	4.30	1,248	49	4.09	165	214
22505 ELECTRICAL & ELECTRONIC ENGINEERING TECHS.	1,141	4.10	1,209	68	5.96	65	133
22508 INDUSTRIAL ENGINEERING TECHNICIANS/TECHNOLOGISTS	45	0.16	43	-2	-4.44	5	3
22511 MECHANICAL ENGINEERING TECHNICIANS/TECHNOLOGISTS	97	0.35	95	-2	-2.06	10	8
22514 DRAFTERS	180	0.65	179	-1	-0.56	10	9

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ESTIMATED EMPLOYMENT AND JOB OPENINGS IN MANUFACTURING
-PIMA COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
22599 ALL OTHER ENGINEERING & RELATED TECHS.	144	0.52	151	7	4.86	15	22
24105 CHEMISTS, EXC. BIOCHEMISTS	30	0.11	32	2	6.67	5	7
24199 ALL OTHER PHYSICAL SCIENTISTS	81	0.29	90	9	11.11	0	9
24399 ALL OTHER LIFE SCIENTISTS	5	0.02	4	-1	-20.00	0	-1
24505 CHEMICAL TECHNICIANS & TECHNOLOGISTS, EXC. HEALTH	16	0.06	19	3	18.75	0	3
24599 ALL OTHER PHYSICAL & LIFE SCIENCE TECHS.	3	0.01	3	0	0.00	0	0
25102 SYSTEMS ANALYSTS, ELECTRONIC DATA PROCESSING	235	0.84	268	33	14.04	15	48
25105 COMPUTER PROGRAMMERS	738	2.65	841	103	13.96	25	128
25108 COMPUTER PROGRAMMER AIDES	23	0.08	23	0	0.00	0	0
25199 ALL OTHER COMPUTER SCIENTISTS	4	0.01	4	0	0.00	0	0
25302 OPERATIONS & SYSTEMS ANALYSTS, EXC. COMPUTER	23	0.08	26	3	13.04	0	3
32999 ALL OTHER HEALTH PARA/PROFESSIONALS & TECHNS.	23	0.08	21	-2	-8.70	5	3
34002 WRITERS & EDITORS	124	0.45	138	14	11.29	25	39
34005 TECHNICAL WRITERS	58	0.21	57	-1	-1.72	15	14
34011 REPORTERS & CORRESPONDENTS	109	0.39	123	14	12.84	20	34
34023 PHOTOGRAPHERS	17	0.06	21	4	23.53	5	9
34035 ARTISTS & RELATED WORKERS	90	0.32	98	8	8.89	10	18
34038 DESIGNERS, EXC. INTERIOR DESIGNERS	59	0.21	58	-1	-1.69	5	4
39999 ALL OTHER PROFESSIONAL, PARAPROFESSIONAL, & TECHN.	317	1.14	327	10	3.15	30	40
40000 SALES & RELATED OCCUPATIONS	**908**	**3.26**	**958**	**50**	**5.51**	**180**	**230**
41002 FIRST LINE SUPERVISORS & MGR./SUPERVISORS -SALES	96	0.34	100	4	4.17	20	24
43023 SALES AGENTS, ADVERTISING	125	0.45	139	14	11.20	25	39
49002 SALES ENGINEERS	62	0.22	58	-4	-6.45	15	11
49005 SALES REPS., SCIENTIFIC PROD. & SERV. EXC. RETAIL	86	0.31	80	-6	-6.98	15	9
49008 OTHER SALES REPRESENTATIVES, EXCEPT RETAIL	237	0.85	259	22	9.28	50	72
49011 SALESPERSONS, RETAIL	86	0.31	90	4	4.65	20	24
49023 CASHIERS	50	0.18	55	5	10.00	5	10
49026 NEWS/STREET VENDORS, PHONE SOLIC., DOOR-TO-DOOR	27	0.10	30	3	11.11	5	8
49999 ALL OTHER SALES & RELATED WORKERS	139	0.50	147	8	5.76	25	33

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ESTIMATED EMPLOYMENT AND JOB OPENINGS IN MANUFACTURING
-PIMA COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
50000 CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	**3,518**	**12.63**	**3,593**	**75**	**2.13**	**455**	**530**
51002 FIRST LINE SUPERVISORS-CLERICAL & ADMIN. SUPPORT	237	0.85	244	7	2.95	30	37
53123 ADJUSTMENT CLERKS	45	0.16	46	1	2.22	5	6
53908 ADVERTISING CLERKS	50	0.18	58	8	16.00	5	13
53911 PROOFREADERS & COPY MARKERS	20	0.07	20	0	0.00	0	0
55100 SECRETARIES	447	1.60	427	-20	-4.47	75	55
55305 RECEPTIONISTS & INFORMATION CLERKS	48	0.17	51	3	6.25	5	8
55308 TYPISTS	10	0.04	10	0	0.00	0	0
55311 TYPISTS, WORD PROCESSING EQUIPMENT	65	0.23	61	-4	-6.15	5	1
55314 PERSONNEL CLERKS, EXC. PAYROLL & TIMEKEEPING	41	0.15	41	0	0.00	5	5
55323 ORDER CLERKS-MATERIALS, MERCHANDISE, & SERVICE	91	0.33	91	0	0.00	10	10
55326 PROCUREMENT CLERKS	63	0.23	67	4	6.35	5	9
55338 BOOKKEEPING, ACCOUNTING, & AUDITING CLERKS	349	1.25	367	18	5.16	70	88
55341 PAYROLL & TIMEKEEPING CLERKS	28	0.10	29	1	3.57	5	6
55344 BILLING, COST & RATE CLERKS	17	0.06	18	1	5.88	0	1
55347 GENERAL OFFICE CLERKS	634	2.28	667	33	5.21	105	138
56008 MAIL MACHINE OPERATORS, PREPARATION & HANDLING	10	0.04	11	1	10.00	0	1
56011 COMPUTER OPERATORS, EXC. PERIPHERAL EQUIPMENT	173	0.62	180	7	4.05	10	17
56014 PERIPHERAL EDP EQUIPMENT OPERATORS	*	*	*	*	*	0	0
56017 DATA ENTRY KEYERS. EXC. COMPOSING	59	0.21	56	-3	-5.08	5	2
56021 DATA KEYERS, COMPOSING	21	0.08	20	-1	-4.76	0	-1
56099 ALL OTHER OFFICE MACHINE OPERATORS	*	*	*	*	*	0	-2
57102 SWITCHBOARD OPERATORS	21	0.08	21	0	0.00	5	5
57311 MESSENGERS	19	0.07	20	1	5.26	5	6
58005 DISPATCHERS-EXC. POLICE, FIRE, & AMBULANCE	20	0.07	22	2	10.00	0	2
58008 PRODUCTION, PLANNING, & EXPEDITING CLERKS	397	1.42	398	1	0.25	45	46
58017 WEIGHERS, MEASURERS, & CHECKERS - RECORDKEEPING	16	0.06	17	1	6.25	0	1
58023 STOCK CLERKS-STOCKROOM, WAREHOUSE OR STORAGE YARD	291	1.04	294	3	1.03	25	28
58028 TRAFFIC, SHIPPING, & RECEIVING CLERKS	186	0.67	195	9	4.84	20	29
58099 ALL OTHER MATERIAL RECORDING/SCHEDULING/DISTRIB.	29	0.10	28	-1	-3.45	5	4

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ESTIMATED EMPLOYMENT AND JOB OPENINGS IN MANUFACTURING
-PIMA COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
59999 ALL OTHER CLERICAL & ADMINISTRATIVE SUPPORT WKRS.	112	0.40	117	5	4.46	10	15
60000 SERVICE OCCUPATIONS	**337**	**1.21**	**347**	**10**	**2.97**	**100**	**110**
61099 ALL OTHER SERVICE SUPERVISORS & MGR./SUPERVISORS	33	0.12	36	3	9.09	5	8
63047 GUARDS & WATCH GUARDS	120	0.43	119	-1	-0.83	45	44
65099 ALL OTHER FOOD SERVICE WORKERS	9	0.03	9	0	0.00	0	0
67005 JANITORS & CLEANERS, EXC. MAIDS & HOUSEKEEPING	167	0.60	175	8	4.79	50	58
67099 ALL OTHER CLEANING/BLDG. SERVICE EXC. PRIV. HOUSE.	2	0.01	2	0	0.00	0	0
69999 ALL OTHER SERVICE WORKERS	6	0.02	6	0	0.00	0	0
70000 AGRICULTURE, FORESTRY, & FISHERY OCCUPATIONS	**4**	**0.01**	**4**	**0**	**0.00**	**0**	**0**
80000 PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	**13,358**	**47.94**	**13,532**	**174**	**1.30**	**1,445**	**1,619**
81002 FIRST LINE MGRS./SUPERS.- MECHS./INSTALLERS/REPRS.	118	0.42	122	4	3.39	20	24
81005 FIRST LINE MGRS./SUPERS.- CONST. TRADES & EXTRACT.	*	*	*	*	*	0	1
81008 FIRST LINE MGRS./SUPERS.- PRODUCTION & OPERATIVES	686	2.46	703	17	2.48	95	112
81011 FIRST LINE MGRS./SUPERS.- TRANSPORTATION OPERS.	30	0.11	29	-1	-3.33	5	4
81017 FIRST LINE MGRS./SUPERS.- LABORERS & HELPERS	13	0.05	13	0	0.00	0	0
81099 ALL OTHER FIRST LINE MGRS./SUPRS.-MAIN./PROD./CONST	26	0.09	28	2	7.69	5	7
83002 PRECISION INSPECTORS, TESTERS, & GRADERS	363	1.30	355	-8	-2.20	55	47
83005 PRODUCTION INSPECTORS, TESTERS, GRADERS, & SORTERS	518	1.86	503	-15	-2.90	70	55
85110 MACHINERY MAINTENANCE MECHANICS	166	0.60	191	25	15.06	20	45
85119 ALL OTHER MACHINERY MAINTENANCE MECHANICS	3	0.01	3	0	0.00	0	0
85128 MACHINERY MAINTENANCE WORKERS	21	0.08	24	3	14.29	5	8
85132 MAINTENANCE REPAIRERS, GENERAL UTILITY	139	0.50	160	21	15.11	20	41
85302 AUTOMOTIVE MECHANICS	21	0.08	22	1	4.76	0	1
85311 BUS & TRUCK MECHANICS, & DIESEL ENGINE SPECIALISTS	36	0.13	41	5	13.89	5	10
85314 MOBILE HEAVY EQUIPMENT MECHANICS, EXCEPT ENGINES	*	*	*	*	*	0	1
85323 AIRCRAFT MECHANICS	57	0.20	61	4	7.02	5	9
85326 AIRCRAFT ENGINE SPECIALISTS	*	*	*	*	*	5	8

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ESTIMATED EMPLOYMENT AND JOB OPENINGS IN MANUFACTURING
-PIMA COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
85717 ELECTRONICS REPAIRERS, COMMERCIAL & INDUST. EQUIP.	73	0.26	74	1	1.37	15	16
85728 ELECTRICAL INSTALLERS & REPRS., TRANSPORT. EQUIP.	*	*	*	*	*	0	2
85902 HEATING, AIR COND., & REFRIG. MECHS. & INSTALLERS	*	*	*	*	*	0	2
85905 PRECISION INSTRUMENT REPAIRERS	30	0.11	29	-1	-3.33	10	9
85947 COIN & VENDING MACHINE SERVICERS & REPAIRERS	19	0.07	20	1	5.26	5	6
85999 ALL OTHER MECHANICS, INSTALLERS, & REPAIRERS	27	0.10	25	-2	-7.41	5	3
87102 CARPENTERS	16	0.06	17	1	6.25	0	1
87202 ELECTRICIANS	71	0.25	77	6	8.45	5	11
87311 CONCRETE & TERRAZZO FINISHERS	*	*	*	*	*	0	1
87402 PAINTERS & PAPERHANGERS - CONST. & MAINTENANCE	15	0.05	16	1	6.67	0	1
87502 PLUMBERS, PIPEFITTERS, & STEAMFITTERS	22	0.08	24	2	9.09	5	7
87900 EXTRACTIVE & RELATED WORKERS -INC. BLASTERS	*	*	*	*	*	0	1
87999 ALL OTHER CONST./EXTRACT. WKRS. EXC. HELPERS	32	0.11	34	2	6.25	0	2
89102 TOOL & DIE MAKERS	165	0.59	179	14	8.48	65	79
89108 MACHINISTS	367	1.32	395	28	7.63	55	83
89111 TOOL GRINDERS, FILERS, SHARPENERS (PRECISION)	11	0.04	11	0	0.00	0	0
89117 PRECISION LAYOUT WORKERS, METAL	*	*	*	*	*	20	21
89123 JEWELERS & SILVERSMITHS	16	0.06	15	-1	-6.25	0	-1
89132 SHEET METAL WORKERS	127	0.46	132	5	3.94	10	15
89199 ALL OTHER PRECISION METAL WORKERS	17	0.06	18	1	5.88	0	1
89308 WOOD MACHINISTS	44	0.16	39	-5	-11.36	5	0
89311 CABINETMAKERS & BENCH CARPENTERS	120	0.43	111	-9	-7.50	15	6
89399 ALL OTHER PRECISION WOODWORKERS	10	0.04	10	0	0.00	0	0
89508 UPHOLSTERERS	*	*	*	*	*	0	-2
89511 SHOE & LEATHER WORKERS & REPAIRERS -PRECISION	*	*	*	*	*	10	16
89599 ALL OTHER PRECISION TEXTILE & APPAREL WORKERS	3	0.01	4	1	33.33	0	1
89702 PRECISION COMPOSITORS, TYPESETTERS, & ARRANGERS	*	*	*	*	*	10	12
89705 JOB PRINTERS	224	0.80	251	27	12.05	60	87
89706 PASTE-UP WORKERS	39	0.14	43	4	10.26	5	9
89707 ELECTRONIC PAGINATION SYSTEM WORKERS	15	0.05	17	2	13.33	5	7

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ESTIMATED EMPLOYMENT AND JOB OPENINGS IN MANUFACTURING
-PIMA COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
89712 PHOTOENGRAVERS	14	0.05	15	1	7.14	5	6
89713 CAMERA OPERATORS	35	0.13	39	4	11.43	5	9
89717 STRIPPERS	30	0.11	33	3	10.00	5	8
89718 PLATEMAKERS	6	0.02	7	1	16.67	0	1
89799 ALL OTHER PRECISION PRINTING WORKERS	3	0.01	3	0	0.00	0	0
89802 SLAUGHTERERS & BUTCHERS	*	*	*	*	*	0	1
89805 BAKERS, MANUFACTURING	23	0.08	25	2	8.70	5	7
89808 FOOD BATCHMAKERS	28	0.10	30	2	7.14	10	12
89899 ALL OTHER PRECISION FOOD & TOBACCO WORKERS	1	0.00	1	0	0.00	0	0
89902 PRECISION FOUNDRY MOLD & CORE MAKERS	11	0.04	15	4	36.36	0	4
89905 PRECISION MOLDERS/CASTERS, EXC. JEWELRY & FOUNDRY	128	0.46	144	16	12.50	15	31
89917 PRECISION OPTICAL GOODS WORKERS	42	0.15	36	-6	-14.29	5	-1
89923 MEDICAL APPLIANCE MAKERS	26	0.09	22	-4	-15.38	5	1
89999 ALL OTHER PRECISION WORKERS	173	0.62	184	11	6.36	20	31
91105 LATHE/TURNING MACH. SET-UP OPERS. -METAL & PLASTIC	28	0.10	30	2	7.14	5	7
91108 DRILLING/BORING MACH. SET-UP OPERS. -METAL & PLAST.	7	0.03	7	0	0.00	0	0
91111 MILLING/PLANING MACH. SET-UP OPERS. -METAL & PLAST.	20	0.07	21	1	5.00	5	6
91114 GRINDING & BUFF. MACH. SET-UP OPRS. -METAL & PLAST.	64	0.23	66	2	3.13	10	12
91117 MACHINE TOOL CUTTING OPERS./TENDERS -METAL & PLAST.	301	1.08	299	-2	-0.66	45	43
91305 PRESS/PRESS BRAKE MACH. SET-UP OPRS.-METAL & PLAST.	96	0.34	100	4	4.17	5	9
91308 SHEAR/SLITTER MACH. SET-UP OPERS. -METAL & PLASTIC	5	0.02	5	0	0.00	0	0
91311 EXTRUDING/DRAWING MACH. SET-UP OPRS.-METAL & PLAST.	*	*	*	*	*	0	2
91321 MACHINE FORMING OPERS. & TENDERS -METAL & PLASTIC	103	0.37	111	8	7.77	10	18
91502 NUMER. CONTROL MACHINE TOOL OPERS. -METAL & PLAST.	94	0.34	101	7	7.45	0	7
91505 COMBINATION MACH. TOOL SET-UP OPRS.-METAL & PLAST.	30	0.11	30	0	0.00	0	0
91508 COMBINATION MACHINE TOOL OPERS. -METAL & PLASTIC	36	0.13	42	6	16.67	5	11
91702 WELDING MACHINE SETTERS & SET-UP OPERATORS	11	0.04	10	-1	-9.09	0	-1
91705 WELDING MACHINE OPERATORS & TENDERS	17	0.06	16	-1	-5.88	0	-1
91714 METAL FABRICATORS, STRUCTURAL METAL PRODUCTS	102	0.37	102	0	0.00	5	5
91902 PLASTIC MOLDING & CASTING MACHINE SET-UP OPERS.	7	0.03	8	1	14.29	0	1

*SUPPRESSED DATA THAT IS CONFIDENTIAL

ESTIMATED EMPLOYMENT AND JOB OPENINGS IN MANUFACTURING
-PIMA COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
91905 PLASTIC MOLDING & CASTING MACHINE OPERS. & TENDERS	*	*	*	*	*	5	12
91908 METAL MOLDING, COREMAKING, & CASTING MACH. SET-UP	*	*	*	*	*	0	7
91911 METAL MOLDING, COREMAKING, & CASTING MACHINE OPERS.	20	0.07	28	8	40.00	0	8
91917 ELECTROLYTIC COATING MACH. SET-UP OPRS. -MTL. & PL.	26	0.09	22	-4	-15.38	0	-4
91921 ELECTROLYTIC COATING MACH. OPERS. -METAL & PLASTIC	55	0.20	55	0	0.00	5	5
91935 FURNACE OPERATORS & TENDERS	6	0.02	9	3	50.00	0	3
92100 ALL OTHER METAL & PLASTIC MACHINE SETTERS/OPERATORS	174	0.62	177	3	1.72	25	28
92308 SAWING MACHINE OPERATORS & TENDERS	19	0.07	20	1	5.26	0	1
92314 WOODWORKING MACHINE OPERS. & TENDERS, EXC. SAWING	6	0.02	6	0	0.00	0	0
92512 OFFSET LITHOGRAPHIC PRESS SETTERS & SET-UP OPERS.	102	0.37	117	15	14.71	15	30
92515 LETTER PRESS SETTERS & SET-UP OPERATORS	32	0.11	33	1	3.13	5	6
92522 SPECIALTY MATERIALS PRINTING MACH. SET-UP OPERS.	7	0.03	8	1	14.29	0	1
92524 SCREEN PRINTING MACHINE SETTERS & SET-UP OPERS.	9	0.03	9	0	0.00	0	0
92525 BINDERY MACHINE SETTERS & SET-UP OPERATORS	43	0.15	48	5	11.63	5	10
92529 ALL OTHER PRINTING RELATED SETTERS & SET-UP OPERS.	6	0.02	6	0	0.00	0	0
92541 TYPESETTING & COMPOSING MACHINE OPERS. & TENDERS	60	0.22	67	7	11.67	15	22
92543 PRINTING PRESS MACHINE OPERATORS & TENDERS	99	0.36	109	10	10.10	15	25
92546 BINDERY MACHINE OPERATORS	37	0.13	41	4	10.81	5	9
92549 ALL OTHER PRINTING, BINDING, & REL. MACH. OPERS.	8	0.03	9	1	12.50	0	1
92717 SEWING MACHINE OPERATORS, GARMENT	100	0.36	127	27	27.00	15	42
92721 SEWING MACHINE OPERATORS, NON-GARMENT	18	0.06	17	-1	-5.56	0	-1
92728 PRESSING MACHINE OPERS. -TEXTILE, GARMENTS, & REL.	*	*	*	*	*	0	2
92900 ALL OTHER MACH. SETTERS & OPERS. EXC. METAL/PLASTIC	15	0.05	16	1	6.67	0	1
92902 ELECTRONIC SEMICONDUCTOR PROCESSORS	119	0.43	107	-12	-10.08	10	-2
92914 PAPER GOODS MACHINE SETTERS & SET-UP OPERATORS	5	0.02	6	1	20.00	0	1
92917 COOKING MACHINE OPERS. & TENDERS, FOOD & TOBACCO	14	0.05	14	0	0.00	0	0
92921 ROASTING, BAKING, & DRYING MACH. OPERS., FOOD	30	0.11	31	1	3.33	0	1
92923 FURNACE, KILN, OVEN, DRIER, OR KETTLE OPERATORS	12	0.04	12	0	0.00	0	0
92932 DAIRY PROCESSING EQUIPMENT OPERS. INCL. SETTERS	*	*	*	*	*	0	0
92941 CUTTING & SLICING MACH. SETTERS & SET-UP OPERATORS	36	0.13	41	5	13.89	5	10

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ESTIMATED EMPLOYMENT AND JOB OPENINGS IN MANUFACTURING
-PIMA COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
92944 CUTTING & SLICING MACHINE OPERATORS & TENDERS	44	0.16	51	7	15.91	5	12
92951 COATING, PAINTING, & SPRAYING MACHINE SET-UP OPRS.	20	0.07	20	0	0.00	0	0
92953 COATING, PAINTING, & SPRAYING MACHINE OPERATORS	69	0.25	72	3	4.35	5	8
92958 CLEANING, WASHING, & PICKLING EQUIPMENT OPERATORS	*	*	*	*	*	0	0
92965 CRUSHING, GRINDING, & MIXING MACHINE OPERATORS	110	0.39	121	11	10.00	15	26
92968 EXTRUDING, FORMING, & PRESSING MACH. SET-UP OPERS.	40	0.14	45	5	12.50	5	10
92971 EXTRUDING, FORMING, & PRESSING MACHINE OPERATORS	12	0.04	14	2	16.67	0	2
92974 PACKAGING & FILLING MACHINE OPERATORS & TENDERS	155	0.56	158	3	1.94	15	18
92997 ALL OTHER MACHINE SETTERS & SET-UP OPERATORS	34	0.12	36	2	5.88	5	7
92998 ALL OTHER MACHINE OPERATORS & TENDERS	237	0.85	252	15	6.33	20	35
93105 MACHINE BUILDERS & PRECISION MACHINE ASSEMBLERS	56	0.20	46	-10	-17.86	5	-5
93111 ELECTROMECHANICAL EQUIPMENT ASSEMBLERS -PRECISION	462	1.66	427	-35	-7.58	35	0
93114 ELECTRICAL/ELECTRONIC EQUIP. ASSEMBLERS -PRECISION	1,390	4.99	1,138	-252	-18.13	95	-157
93197 ALL OTHER PRECISION ASSEMBLERS, METAL	40	0.14	38	-2	-5.00	5	3
93905 ELECTRICAL & ELECTRONIC ASSEMBLERS	334	1.20	267	-67	-20.06	25	-42
93911 GLAZIERS, MANUFACTURING	*	*	*	*	*	10	22
93914 WELDERS & CUTTERS	184	0.66	184	0	0.00	15	15
93917 SOLDERERS & BRAZERS	8	0.03	9	1	12.50	0	1
93923 SEWERS, HAND	*	*	*	*	*	0	3
93926 CUTTERS & TRIMMERS, HAND	*	*	*	*	*	0	4
93944 MOLDERS & CASTERS, HAND	31	0.11	33	2	6.45	0	2
93947 PAINTING, COATING, & DECORATING WORKERS, HAND	48	0.17	52	4	8.33	5	9
93953 GRINDING & POLISHING WORKERS, HAND	57	0.20	59	2	3.51	10	12
93956 ASSEMBLERS/FABRICATORS -EX. MACH., ELECT., PRECI.	1,183	4.25	1,228	45	3.80	90	135
93999 ALL OTHER HAND WORKERS	205	0.74	206	1	0.49	20	21
95008 CHEMICAL PLANT & SYSTEM OPERATORS	*	*	*	*	*	0	1
95099 ALL OTHER PLANT & SYSTEM OPERATORS	19	0.07	20	1	5.26	5	6
97102 TRUCK DRIVERS, HEAVY OR TRACTOR TRAILER	176	0.63	211	35	19.89	20	55
97105 TRUCK DRIVERS, LIGHT-INCL. DELIVERY & ROUTE WKRS.	211	0.76	235	24	11.37	15	39
97117 DRIVER/SALES WORKERS	178	0.64	189	11	6.18	25	36

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ESTIMATED EMPLOYMENT AND JOB OPENINGS IN MANUFACTURING
-PIMA COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
97899 ALL OTHER TRANSPORTATION & RELATED WORKERS	1	0.00	1	0	0.00	0	0
97938 GRADER, DOZER, & SCRAPER OPERATORS	*	*	*	*	*	0	1
97944 CRANE & TOWER OPERATORS	*	*	*	*	*	0	1
97947 INDUSTRIAL TRUCK & TRACTOR OPERATORS	75	0.27	80	5	6.67	5	10
97951 CONVEYOR OPERATORS & TENDERS	25	0.09	27	2	8.00	0	2
97956 OPERATING ENGINEERS	16	0.06	18	2	12.50	0	2
97989 ALL OTHER TRANSPORT./MATL. MOVING EQUIP. OPERS.	11	0.04	11	0	0.00	0	0
97999 ALL OTHER MATERIAL MOVING EQUIPMENT OPERATORS	4	0.01	6	2	50.00	0	2
98102 MECHANIC & REPAIRER HELPERS	45	0.16	49	4	8.89	0	4
98502 MACHINE FEEDERS & OFFBEARERS	152	0.55	171	19	12.50	10	29
98799 ALL OTHER FREIGHT, STOCK, & MATERIAL MOVERS, HAND	501	1.80	496	-5	-1.00	25	20
98902 HAND PACKERS & PACKAGERS	367	1.32	350	-17	-4.63	20	3
98999 ALL OTHER HELPERS, LABORERS, & MATL. MOVERS, HAND	269	0.97	290	21	7.81	30	51
TOTAL OF ALL OCCUPATIONS	**27,862**	**100.00**	**28,787**	**925**	**3.32**	**3,375**	**4,300**

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ESTIMATED EMPLOYMENT AND JOB OPENINGS IN MANUFACTURING
-PINAL COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
10000 MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	**144**	**4.11**	**172**	**28**	**19.44**	**20**	**48**
13002 FINANCIAL MANAGERS	9	0.26	10	1	11.11	0	1
13005 PERSONNEL, TRAINING, & LABOR RELATIONS MANAGERS	6	0.17	7	1	16.67	0	1
13011 MARKETING, ADVERTISING, & PUBLIC RELATIONS MGRS.	7	0.20	7	0	0.00	0	0
13017 ENGINEERING, MATH, & NATURAL SCIENCES MANAGERS	12	0.34	14	2	16.67	0	2
15014 INDUSTRIAL PRODUCTION MANAGERS	51	1.45	65	14	27.45	10	24
19005 GENERAL MANAGERS & TOP EXECUTIVES	47	1.34	57	10	21.28	10	20
19999 ALL OTHER MANAGERS & ADMINISTRATORS	12	0.34	12	0	0.00	0	0
20000 PROFESSIONAL, PARAPROFESSIONAL, & TECH. OCCUPATIONS	**207**	**5.90**	**249**	**42**	**20.29**	**20**	**62**
21114 ACCOUNTANTS & AUDITORS	9	0.26	11	2	22.22	0	2
21199 ALL OTHER FINANCIAL SPECIALISTS	1	0.03	1	0	0.00	0	0
21308 PURCHASING AGENTS, EXC. WHOLESALE, RETAIL, & FARM	10	0.29	12	2	20.00	0	2
21511 PERSONNEL, TRAINING, & LABOR REL. SPECIALISTS	12	0.34	15	3	25.00	0	3
21999 ALL OTHER MANAGEMENT SUPPORT WORKERS	7	0.20	8	1	14.29	0	1
22105 METALLURGISTS & METALLURGICAL & MATRLS. ENGINEERS	6	0.17	7	1	16.67	0	1
22114 CHEMICAL ENGINEERS	*	*	*	*	*	0	2
22128 INDUSTRIAL ENGINEERS, EXC. SAFETY	20	0.57	27	7	35.00	5	12
22135 MECHANICAL ENGINEERS	18	0.51	21	3	16.67	5	8
22199 ALL OTHER ENGINEERS	13	0.37	15	2	15.38	0	2
22511 MECHANICAL ENGINEERING TECHNICIANS/TECHNOLOGISTS	*	*	*	*	*	0	2
22599 ALL OTHER ENGINEERING & RELATED TECHS.	36	1.03	43	7	19.44	5	12
24199 ALL OTHER PHYSICAL SCIENTISTS	2	0.06	2	0	0.00	0	0
24505 CHEMICAL TECHNICIANS & TECHNOLOGISTS, EXC. HEALTH	6	0.17	7	1	16.67	0	1
25105 COMPUTER PROGRAMMERS	7	0.20	9	2	28.57	0	2
25199 ALL OTHER COMPUTER SCIENTISTS	2	0.06	2	0	0.00	0	0
32999 ALL OTHER HEALTH PARA/PROFESSIONALS & TECHNS.	3	0.09	3	0	0.00	0	0
34011 REPORTERS & CORRESPONDENTS	17	0.48	20	3	17.65	5	8
34035 ARTISTS & RELATED WORKERS	*	*	*	*	*	0	2
39999 ALL OTHER PROFESSIONAL, PARAPROFESSIONAL, & TECHN.	14	0.40	16	2	14.29	0	2

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ESTIMATED EMPLOYMENT AND JOB OPENINGS IN MANUFACTURING
-PINAL COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
40000 SALES & RELATED OCCUPATIONS	**27**	**0.77**	**32**	**5**	**18.52**	**5**	**10**
41002 FIRST LINE SUPERVISORS & MGR./SUPERVISORS -SALES	*	*	*	*	*	0	1
43099 ALL OTHER SALES REPS. & SALESPERSONS, SERVICE	*	*	*	*	*	0	1
49008 OTHER SALES REPRESENTATIVES, EXCEPT RETAIL	13	0.37	16	3	23.08	5	8
49999 ALL OTHER SALES & RELATED WORKERS	5	0.14	5	0	0.00	0	0
50000 CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	**308**	**8.78**	**368**	**60**	**19.48**	**40**	**100**
51002 FIRST LINE SUPERVISORS-CLERICAL & ADMIN. SUPPORT	18	0.51	21	3	16.67	5	8
55100 SECRETARIES	34	0.97	39	5	14.71	5	10
55308 TYPISTS	6	0.17	6	0	0.00	0	0
55338 BOOKKEEPING, ACCOUNTING, & AUDITING CLERKS	22	0.63	24	2	9.09	5	7
55347 GENERAL OFFICE CLERKS	45	1.28	55	10	22.22	10	20
56017 DATA ENTRY KEYERS, EXC. COMPOSING	7	0.20	8	1	14.29	0	1
56099 ALL OTHER OFFICE MACHINE OPERATORS	1	0.03	1	0	0.00	0	0
57102 SWITCHBOARD OPERATORS	6	0.17	7	1	16.67	0	1
57302 MAIL CLERKS, EXC. MAIL MACH. OPERS. & POSTAL SERV.	*	*	*	*	*	0	1
58005 DISPATCHERS-EXC. POLICE, FIRE, & AMBULANCE	13	0.37	15	2	15.38	0	2
58008 PRODUCTION, PLANNING, & EXPEDITING CLERKS	31	0.88	41	10	32.26	5	15
58017 WEIGHERS, MEASURERS, & CHECKERS - RECORDKEEPING	6	0.17	7	1	16.67	0	1
58023 STOCK CLERKS-STOCKROOM, WAREHOUSE OR STORAGE YARD	36	1.03	45	9	25.00	5	14
58028 TRAFFIC, SHIPPING, & RECEIVING CLERKS	48	1.37	60	12	25.00	5	17
59999 ALL OTHER CLERICAL & ADMINISTRATIVE SUPPORT WKRS.	20	0.57	23	3	15.00	0	3
60000 SERVICE OCCUPATIONS	**37**	**1.06**	**42**	**5**	**13.51**	**10**	**15**
61099 ALL OTHER SERVICE SUPERVISORS & MGR./SUPERVISORS	5	0.14	5	0	0.00	0	0
63099 ALL OTHER PROTECTIVE SERVICE WORKERS	1	0.03	1	0	0.00	0	0
67005 JANITORS & CLEANERS, EXC. MAIDS & HOUSEKEEPING	31	0.88	36	5	16.13	10	15
70000 AGRICULTURE, FORESTRY, & FISHERY OCCUPATIONS	**12**	**0.34**	**14**	**2**	**16.67**	**0**	**2**

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ESTIMATED EMPLOYMENT AND JOB OPENINGS IN MANUFACTURING
-PINAL COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
80000 PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	**2,771**	**79.04**	**3,368**	**597**	**21.54**	**310**	**907**
81002 FIRST LINE MGRS./SUPERS.- MECHS./INSTALLERS/REPRS.	22	0.63	25	3	13.64	5	8
81008 FIRST LINE MGRS./SUPERS.- PRODUCTION & OPERATIVES	155	4.42	189	34	21.94	25	59
81099 ALL OTHER FIRST LINE MGRS./SUPRS.-MAIN./PROD./CONST	21	0.60	23	2	9.52	0	2
83002 PRECISION INSPECTORS, TESTERS, & GRADERS	*	*	*	*	*	5	12
83005 PRODUCTION INSPECTORS, TESTERS, GRADERS, & SORTERS	36	1.03	43	7	19.44	5	12
85110 MACHINERY MAINTENANCE MECHANICS	93	2.65	119	26	27.96	10	36
85132 MAINTENANCE REPAIRERS, GENERAL UTILITY	36	1.03	50	14	38.89	5	19
85311 BUS & TRUCK MECHANICS, & DIESEL ENGINE SPECIALISTS	14	0.40	16	2	14.29	0	2
85999 ALL OTHER MECHANICS, INSTALLERS, & REPAIRERS	19	0.54	22	3	15.79	0	3
87102 CARPENTERS	*	*	*	*	*	5	8
87202 ELECTRICIANS	53	1.51	62	9	16.98	5	14
87302 BRICK MASONS	*	*	*	*	*	0	2
87502 PLUMBERS, PIPEFITTERS, & STEAMFITTERS	*	*	*	*	*	0	1
87999 ALL OTHER CONST./EXTRACT. WKRS. EXC. HELPERS	7	0.20	9	2	28.57	0	2
89108 MACHINISTS	9	0.26	11	2	22.22	0	2
89111 TOOL GRINDERS, FILERS, SHARPENERS (PRECISION)	*	*	*	*	*	0	2
89199 ALL OTHER PRECISION METAL WORKERS	8	0.23	11	3	37.50	0	3
89311 CABINETMAKERS & BENCH CARPENTERS	16	0.46	20	4	25.00	5	9
89508 UPHOLSTERERS	*	*	*	*	*	0	6
89713 CAMERA OPERATORS	*	*	*	*	*	0	1
89715 SCANNER OPERATORS	13	0.37	15	2	15.38	0	2
89717 STRIPPERS	*	*	*	*	*	5	8
89799 ALL OTHER PRECISION PRINTING WORKERS	21	0.60	25	4	19.05	0	4
89805 BAKERS, MANUFACTURING	19	0.54	23	4	21.05	5	9
89808 FOOD BATCHMAKERS	*	*	*	*	*	10	14
89914 PRECISION PHOTOGRAPHIC PROCESS WORKERS	13	0.37	15	2	15.38	0	2
89999 ALL OTHER PRECISION WORKERS	6	0.17	7	1	16.67	0	1
91108 DRILLING/BORING MACH. SET-UP OPERS. -METAL & PLAST.	*	*	*	*	*	0	1
91117 MACHINE TOOL CUTTING OPERS./TENDERS -METAL & PLAST.	*	*	*	*	*	0	4

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ESTIMATED EMPLOYMENT AND JOB OPENINGS IN MANUFACTURING
-PINAL COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
91508 COMBINATION MACHINE TOOL OPERS. -METAL & PLASTIC	*	*	*	*	*	0	2
91705 WELDING MACHINE OPERATORS & TENDERS	*	*	*	*	*	0	5
91902 PLASTIC MOLDING & CASTING MACHINE SET-UP OPERS.	*	*	*	*	*	0	3
91905 PLASTIC MOLDING & CASTING MACHINE OPERS. & TENDERS	91	2.60	120	29	31.87	10	39
91914 FOUNDRY MOLD ASSEMBLY & SHAKEOUT WORKERS	8	0.23	10	2	25.00	0	2
91935 FURNACE OPERATORS & TENDERS	7	0.20	8	1	14.29	0	1
92100 ALL OTHER METAL & PLASTIC MACHINE SETTERS/OPERATORS	29	0.83	35	6	20.69	0	6
92308 SAWING MACHINE OPERATORS & TENDERS	*	*	*	*	*	0	2
92525 BINDERY MACHINE SETTERS & SET-UP OPERATORS	*	*	*	*	*	0	1
92541 TYPESETTING & COMPOSING MACHINE OPERS. & TENDERS	7	0.20	8	1	14.29	0	1
92543 PRINTING PRESS MACHINE OPERATORS & TENDERS	*	*	*	*	*	5	8
92546 BINDERY MACHINE OPERATORS	*	*	*	*	*	5	9
92549 ALL OTHER PRINTING, BINDING, & REL. MACH. OPERS.	1	0.03	1	0	0.00	0	0
92717 SEWING MACHINE OPERATORS, GARMENT	*	*	*	*	*	10	22
92721 SEWING MACHINE OPERATORS, NON-GARMENT	*	*	*	*	*	0	1
92900 ALL OTHER MACH. SETTERS & OPERS. EXC. METAL/PLASTIC	12	0.34	14	2	16.67	0	2
92935 CHEMICAL EQUIPMENT CONTROLLERS & OPERATORS	*	*	*	*	*	0	3
92944 CUTTING & SLICING MACHINE OPERATORS & TENDERS	*	*	*	*	*	5	8
92953 COATING, PAINTING, & SPRAYING MACHINE OPERATORS	29	0.83	38	9	31.03	0	9
92958 CLEANING, WASHING, & PICKLING EQUIPMENT OPERATORS	*	*	*	*	*	0	1
92962 SEPARATING, FILTERING, & CLARIFYING MACH. OPERS.	*	*	*	*	*	5	8
92965 CRUSHING, GRINDING, & MIXING MACHINE OPERATORS	44	1.25	48	4	9.09	5	9
92971 EXTRUDING, FORMING, & PRESSING MACHINE OPERATORS	*	*	*	*	*	25	100
92974 PACKAGING & FILLING MACHINE OPERATORS & TENDERS	89	2.54	101	12	13.48	10	22
92998 ALL OTHER MACHINE OPERATORS & TENDERS	57	1.63	67	10	17.54	5	15
93902 MACHINE ASSEMBLERS	*	*	*	*	*	10	43
93908 COIL WINDERS, TAPERS, & FINISHERS	*	*	*	*	*	5	10
93914 WELDERS & CUTTERS	52	1.48	66	14	26.92	5	19
93928 PORTABLE MACHINE CUTTERS	*	*	*	*	*	0	1
93941 METAL POURERS & CASTERS, BASIC SHAPES	8	0.23	10	2	25.00	0	2

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-PINAL COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
93944 MOLDERS & CASTERS, HAND	*	*	*	*	*	0	4
93953 GRINDING & POLISHING WORKERS, HAND	11	0.31	14	3	27.27	0	3
93956 ASSEMBLERS/FABRICATORS -EX. MACH., ELECT., PRECI.	118	3.37	156	38	32.20	10	48
93999 ALL OTHER HAND WORKERS	33	0.94	39	6	18.18	5	11
95032 STATIONARY ENGINEERS	*	*	*	*	*	0	2
95099 ALL OTHER PLANT & SYSTEM OPERATORS	30	0.86	33	3	10.00	5	8
97102 TRUCK DRIVERS, HEAVY OR TRACTOR TRAILER	168	4.79	189	21	12.50	15	36
97117 DRIVER/SALES WORKERS	*	*	*	*	*	0	2
97199 ALL OTHER MOTOR VEHICLE OPERATORS	4	0.11	4	0	0.00	[illegible]	0
97944 CRANE & TOWER OPERATORS	39	1.11	49	10	25.64	5	15
97947 INDUSTRIAL TRUCK & TRACTOR OPERATORS	54	1.54	63	9	16.67	5	14
97951 CONVEYOR OPERATORS & TENDERS	*	*	*	*	*	0	0
97956 OPERATING ENGINEERS	*	*	*	*	*	0	2
97989 ALL OTHER TRANSPORT./MATL. MOVING EQUIP. OPERS.	199	5.68	232	33	16.58	40	73
97999 ALL OTHER MATERIAL MOVING EQUIPMENT OPERATORS	3	0.09	3	0	0.00	0	0
98319 HELPERS -ALL OTHER CONSTRUCTION TRADES	16	0.46	18	2	12.50	0	2
98502 MACHINE FEEDERS & OFFBEARERS	19	0.54	24	5	26.32	0	5
98799 ALL OTHER FREIGHT, STOCK, & MATERIAL MOVERS, HAND	58	1.65	67	9	15.52	5	14
98902 HAND PACKERS & PACKAGERS	*	*	*	*	*	0	3
98905 VEHICLE WASHERS & EQUIPMENT CLEANERS	21	0.60	24	3	14.29	0	3
98999 ALL OTHER HELPERS, LABORERS, & MATL. MOVERS, HAND	205	5.85	240	35	17.07	25	60
TOTAL OF ALL OCCUPATIONS	**3,506**	**100.00**	**4,245**	**739**	**21.08**	**405**	**1,144**

*SUPPRESSED DATA THAT IS CONFIDENTIAL

ESTIMATED EMPLOYMENT AND JOB OPENINGS IN MANUFACTURING
-SANTA CRUZ COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
10000 MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	**72**	**6.29**	**83**	**11**	**15.28**	**10**	**21**
13002 FINANCIAL MANAGERS	7	0.61	8	1	14.29	0	1
13017 ENGINEERING, MATH, & NATURAL SCIENCES MANAGERS	8	0.70	10	2	25.00	0	2
15014 INDUSTRIAL PRODUCTION MANAGERS	19	1.66	24	5	26.32	5	10
19005 GENERAL MANAGERS & TOP EXECUTIVES	25	2.18	27	2	8.00	5	7
19999 ALL OTHER MANAGERS & ADMINISTRATORS	13	1.14	14	1	7.69	0	1
20000 PROFESSIONAL, PARAPROFESSIONAL, & TECH. OCCUPATIONS	**67**	**5.85**	**74**	**7**	**10.45**	**0**	**7**
21199 ALL OTHER FINANCIAL SPECIALISTS	4	0.35	4	0	0.00	0	0
21308 PURCHASING AGENTS, EXC. WHOLESALE, RETAIL, & FARM	10	0.87	11	1	10.00	0	1
21999 ALL OTHER MANAGEMENT SUPPORT WORKERS	14	1.22	16	2	14.29	0	2
22126 ELECTRICAL & ELECTRONIC ENGINEERS	5	0.44	7	2	40.00	0	2
22135 MECHANICAL ENGINEERS	*	*	*	*	*	0	0
22199 ALL OTHER ENGINEERS	7	0.61	7	0	0.00	0	0
22505 ELECTRICAL & ELECTRONIC ENGINEERING TECHS.	*	*	*	*	*	0	1
22599 ALL OTHER ENGINEERING & RELATED TECHS.	3	0.26	3	0	0.00	0	0
25199 ALL OTHER COMPUTER SCIENTISTS	7	0.61	7	0	0.00	0	0
39999 ALL OTHER PROFESSIONAL, PARAPROFESSIONAL, & TECHN.	7	0.61	8	1	14.29	0	1
40000 SALES & RELATED OCCUPATIONS	**13**	**1.14**	**15**	**2**	**15.38**	**0**	**2**
49002 SALES ENGINEERS	*	*	*	*	*	0	1
49999 ALL OTHER SALES & RELATED WORKERS	5	0.44	6	1	20.00	0	1
50000 CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	**130**	**11.35**	**151**	**21**	**16.15**	**15**	**36**
55100 SECRETARIES	18	1.57	19	1	5.56	5	6
55323 ORDER CLERKS-MATERIALS, MERCHANDISE, & SERVICE	10	0.87	13	3	30.00	0	3
55338 BOOKKEEPING, ACCOUNTING, & AUDITING CLERKS	14	1.22	16	2	14.29	5	7
55347 GENERAL OFFICE CLERKS	24	2.10	27	3	12.50	5	8
56099 ALL OTHER OFFICE MACHINE OPERATORS	7	0.61	7	0	0.00	0	0
57199 ALL OTHER COMMUNICATIONS EQUIPMENT OPERATORS	3	0.26	3	0	0.00	0	0

*SUPPRESSED DATA THAT IS CONFIDENTIAL

ESTIMATED EMPLOYMENT AND JOB OPENINGS IN MANUFACTURING
-SANTA CRUZ COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
58008 PRODUCTION, PLANNING, & EXPEDITING CLERKS	13	1.14	16	3	23.08	0	3
58017 WEIGHERS, MEASURERS, & CHECKERS - RECORDKEEPING	*	*	*	*	*	0	3
58028 TRAFFIC, SHIPPING, & RECEIVING CLERKS	17	1.48	20	3	17.65	0	3
58099 ALL OTHER MATERIAL RECORDING/SCHEDULING/DISTRIB.	3	0.26	4	1	33.33	0	1
59999 ALL OTHER CLERICAL & ADMINISTRATIVE SUPPORT WKRS.	16	1.40	18	2	12.50	0	2
60000 SERVICE OCCUPATIONS	**10**	**0.87**	**12**	**2**	**20.00**	**5**	**7**
67005 JANITORS & CLEANERS, EXC. MAIDS & HOUSEKEEPING	10	0.87	12	2	20.00	5	7
80000 PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	**853**	**74.50**	**1,050**	**197**	**23.09**	**75**	**272**
81008 FIRST LINE MGRS./SUPERS.- PRODUCTION & OPERATIVES	34	2.97	41	7	20.59	5	12
81099 ALL OTHER FIRST LINE MGRS./SUPRS.-MAIN./PROD./CONST	6	0.52	6	0	0.00	0	0
83002 PRECISION INSPECTORS, TESTERS, & GRADERS	13	1.14	15	2	15.38	0	2
83005 PRODUCTION INSPECTORS, TESTERS, GRADERS, & SORTERS	30	2.62	36	6	20.00	5	11
85119 ALL OTHER MACHINERY MAINTENANCE MECHANICS	3	0.26	3	0	0.00	0	0
85717 ELECTRONICS REPAIRERS, COMMERCIAL & INDUST. EQUIP.	6	0.52	7	1	16.67	0	1
85999 ALL OTHER MECHANICS, INSTALLERS, & REPAIRERS	8	0.70	10	2	25.00	0	2
87899 ALL OTHER CONSTRUCTION TRADES WORKERS	1	0.09	1	0	0.00	0	0
89102 TOOL & DIE MAKERS	12	1.05	15	3	25.00	5	8
89199 ALL OTHER PRECISION METAL WORKERS	3	0.26	3	0	0.00	0	0
89511 SHOE & LEATHER WORKERS & REPAIRERS -PRECISION	*	*	*	*	*	5	10
89799 ALL OTHER PRECISION PRINTING WORKERS	2	0.17	2	0	0.00	0	0
91105 LATHE/TURNING MACH. SET-UP OPERS. -METAL & PLASTIC	7	0.61	8	1	14.29	0	1
91108 DRILLING/BORING MACH. SET-UP OPERS. -METAL & PLAST.	*	*	*	*	*	5	10
91114 GRINDING & BUFF. MACH. SET-UP OPRS. -METAL & PLAST.	*	*	*	*	*	0	2
91117 MACHINE TOOL CUTTING OPERS./TENDERS -METAL & PLAST.	*	*	*	*	*	5	12
91302 PUNCHING MACHINE SET-UP OPERS. -METAL & PLASTIC	37	3.23	43	6	16.22	5	11
91321 MACHINE FORMING OPERS. & TENDERS -METAL & PLASTIC	*	*	*	*	*	0	4
91911 METAL MOLDING, COREMAKING, & CASTING MACHINE OPERS.	*	*	*	*	*	0	6
91917 ELECTROLYTIC COATING MACH. SET-UP OPRS. -MTL. & PL.	*	*	*	*	*	0	1

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ESTIMATED EMPLOYMENT AND JOB OPENINGS IN MANUFACTURING
-SANTA CRUZ COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
92100 ALL OTHER METAL & PLASTIC MACHINE SETTERS/OPERATORS	38	3.32	48	10	26.32	5	15
92543 PRINTING PRESS MACHINE OPERATORS & TENDERS	7	0.61	9	2	28.57	0	2
92549 ALL OTHER PRINTING, BINDING, & REL. MACH. OPERS.	4	0.35	5	1	25.00	0	1
92721 SEWING MACHINE OPERATORS, NON-GARMENT	*	*	*	*	*	5	11
92900 ALL OTHER MACH. SETTERS & OPERS. EXC. METAL/PLASTIC	11	0.96	12	1	9.09	0	1
92971 EXTRUDING, FORMING, & PRESSING MACHINE OPERATORS	*	*	*	*	*	5	15
93111 ELECTROMECHANICAL EQUIPMENT ASSEMBLERS -PRECISION	93	8.12	101	8	8.60	5	13
93905 ELECTRICAL & ELECTRONIC ASSEMBLERS	*	*	*	*	*	0	1
93926 CUTTERS & TRIMMERS, HAND	*	*	*	*	*	0	3
93935 CANNERY WORKERS	*	*	*	*	*	0	2
93938 MEAT, POULTRY, & FISH CUTTERS & TRIMMERS -HAND	*	*	*	*	*	0	5
93956 ASSEMBLERS/FABRICATORS -EX. MACH., ELECT., PRECI.	*	*	*	*	*	20	97
93999 ALL OTHER HAND WORKERS	10	0.87	11	1	10.00	0	1
95099 ALL OTHER PLANT & SYSTEM OPERATORS	1	0.09	1	0	0.00	0	0
97102 TRUCK DRIVERS, HEAVY OR TRACTOR TRAILER	8	0.70	9	1	12.50	0	1
97199 ALL OTHER MOTOR VEHICLE OPERATORS	3	0.26	3	0	0.00	0	0
97947 INDUSTRIAL TRUCK & TRACTOR OPERATORS	5	0.44	6	1	20.00	0	1
97999 ALL OTHER MATERIAL MOVING EQUIPMENT OPERATORS	3	0.26	3	0	0.00	0	0
98502 MACHINE FEEDERS & OFFBEARERS * * * * * 0 2							
98799 ALL OTHER FREIGHT, STOCK, & MATERIAL MOVERS, HAND	17	1.48	19	2	11.76	0	2
98902 HAND PACKERS & PACKAGERS	16	1.40	17	1	6.25	0	1
98999 ALL OTHER HELPERS, LABORERS, & MATL. MOVERS, HAND	14	1.22	19	5	35.71	0	5
TOTAL OF ALL OCCUPATIONS	**1,145**	**100.00**	**1,385**	**240**	**20.96**	**105**	**345**

*SUPPRESSED DATA THAT IS CONFIDENTIAL

ESTIMATED EMPLOYMENT AND JOB OPENINGS IN MANUFACTURING
-YAVAPAI COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
10000 MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	**141**	**6.26**	**172**	**31**	**21.99**	**25**	**56**
13002 FINANCIAL MANAGERS	8	0.35	9	1	12.50	0	1
13011 MARKETING, ADVERTISING, & PUBLIC RELATIONS MGRS.	8	0.35	8	0	0.00	0	0
13017 ENGINEERING, MATH, & NATURAL SCIENCES MANAGERS	*	*	*	*	*	0	6
15014 INDUSTRIAL PRODUCTION MANAGERS	28	1.24	32	4	14.29	5	9
19005 GENERAL MANAGERS & TOP EXECUTIVES	66	2.93	80	14	21.21	15	29
19999 ALL OTHER MANAGERS & ADMINISTRATORS	*	*	*	*	*	5	11
20000 PROFESSIONAL, PARAPROFESSIONAL, & TECH. OCCUPATIONS	**155**	**6.88**	**199**	**44**	**28.39**	**10**	**54**
21199 ALL OTHER FINANCIAL SPECIALISTS	*	*	*	*	*	0	0
21308 PURCHASING AGENTS, EXC. WHOLESALE, RETAIL, & FARM	6	0.27	7	1	16.67	0	1
21999 ALL OTHER MANAGEMENT SUPPORT WORKERS	3	0.13	3	0	0.00	0	0
22126 ELECTRICAL & ELECTRONIC ENGINEERS	*	*	*	*	*	0	8
22199 ALL OTHER ENGINEERS	11	0.49	13	2	18.18	0	2
22505 ELECTRICAL & ELECTRONIC ENGINEERING TECHS.	37	1.64	57	20	54.05	5	25
22514 DRAFTERS	12	0.53	16	4	33.33	0	4
22599 ALL OTHER ENGINEERING & RELATED TECHS.	6	0.27	7	1	16.67	0	1
24599 ALL OTHER PHYSICAL & LIFE SCIENCE TECHS.	7	0.31	7	0	0.00	0	0
25105 COMPUTER PROGRAMMERS	5	0.22	5	0	0.00	0	0
25199 ALL OTHER COMPUTER SCIENTISTS	2	0.09	3	1	50.00	0	1
34002 WRITERS & EDITORS	10	0.44	11	1	10.00	0	1
34011 REPORTERS & CORRESPONDENTS	20	0.89	23	3	15.00	5	8
34023 PHOTOGRAPHERS	5	0.22	7	2	40.00	0	2
34035 ARTISTS & RELATED WORKERS	10	0.44	11	1	10.00	0	1
39999 ALL OTHER PROFESSIONAL, PARAPROFESSIONAL, & TECHN.	5	0.22	5	0	0.00	0	0
40000 SALES & RELATED OCCUPATIONS	**43**	**1.91**	**50**	**7**	**16.28**	**10**	**17**
41002 FIRST LINE SUPERVISORS & MGR./SUPERVISORS -SALES	6	0.27	7	1	16.67	0	1
43023 SALES AGENTS, ADVERTISING	16	0.71	19	3	18.75	5	8
49008 OTHER SALES REPRESENTATIVES, EXCEPT RETAIL	14	0.62	17	3	21.43	5	8

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ESTIMATED EMPLOYMENT AND JOB OPENINGS IN MANUFACTURING
-YAVAPAI COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
49999 ALL OTHER SALES & RELATED WORKERS	7	0.31	7	0	0.00	0	0
50000 CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	**203**	**9.01**	**242**	**39**	**19.21**	**20**	**59**
51002 FIRST LINE SUPERVISORS-CLERICAL & ADMIN. SUPPORT	9	0.40	10	1	11.11	0	1
53908 ADVERTISING CLERKS	*	*	*	*	*	0	1
55100 SECRETARIES	25	1.11	30	5	20.00	5	10
55305 RECEPTIONISTS & INFORMATION CLERKS	5	0.22	5	0	0.00	0	0
55311 TYPISTS, WORD PROCESSING EQUIPMENT	6	0.27	6	0	0.00	0	0
55323 ORDER CLERKS-MATERIALS, MERCHANDISE, & SERVICE	5	0.22	5	0	0.00	0	0
55338 BOOKKEEPING, ACCOUNTING, & AUDITING CLERKS	25	1.11	31	6	24.00	5	11
55341 PAYROLL & TIMEKEEPING CLERKS	5	0.22	6	1	20.00	0	1
55347 GENERAL OFFICE CLERKS	44	1.95	55	11	25.00	10	21
56011 COMPUTER OPERATORS, EXC. PERIPHERAL EQUIPMENT	*	*	*	*	*	0	1
56099 ALL OTHER OFFICE MACHINE OPERATORS	3	0.13	3	0	0.00	0	0
57199 ALL OTHER COMMUNICATIONS EQUIPMENT OPERATORS	3	0.13	3	0	0.00	0	0
58008 PRODUCTION, PLANNING, & EXPEDITING CLERKS	10	0.44	12	2	20.00	0	2
58023 STOCK CLERKS-STOCKROOM, WAREHOUSE OR STORAGE YARD	17	0.75	22	5	29.41	0	5
58028 TRAFFIC, SHIPPING, & RECEIVING CLERKS	19	0.84	24	5	26.32	0	5
58099 ALL OTHER MATERIAL RECORDING/SCHEDULING/DISTRIB.	4	0.18	4	0	0.00	0	0
59999 ALL OTHER CLERICAL & ADMINISTRATIVE SUPPORT WKRS.	11	0.49	12	1	9.09	0	1
60000 SERVICE OCCUPATIONS	**8**	**0.35**	**9**	**1**	**12.50**	**0**	**1**
67005 JANITORS & CLEANERS, EXC. MAIDS & HOUSEKEEPING	8	0.35	9	1	12.50	0	1
70000 AGRICULTURE, FORESTRY, & FISHERY OCCUPATIONS	**16**	**0.71**	**19**	**3**	**18.75**	**0**	**3**
73002 FALLERS & BUCKERS	*	*	*	*	*	0	1
73011 LOGGING TRACTOR OPERATORS	*	*	*	*	*	0	1
73099 ALL OTHER TIMBER CUTTING & RELATED LOGGING WORKERS	3	0.13	4	1	33.33	0	1

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ESTIMATED EMPLOYMENT AND JOB OPENINGS IN MANUFACTURING
-YAVAPAI COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
80000 PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	**1,688**	**74.89**	**2,074**	**386**	**22.87**	**155**	**541**
81008 FIRST LINE MGRS./SUPERS.- PRODUCTION & OPERATIVES	82	3.64	100	18	21.95	15	33
81099 ALL OTHER FIRST LINE MGRS./SUPRS.-MAIN./PROD./CONST	8	0.35	8	0	0.00	0	0
83002 PRECISION INSPECTORS, TESTERS, & GRADERS	*	*	*	*	*	5	12
83005 PRODUCTION INSPECTORS, TESTERS, GRADERS, & SORTERS	20	0.89	27	7	35.00	5	12
85110 MACHINERY MAINTENANCE MECHANICS	14	0.62	18	4	28.57	0	4
85132 MAINTENANCE REPAIRERS, GENERAL UTILITY	14	0.62	17	3	21.43	0	3
85314 MOBILE HEAVY EQUIPMENT MECHANICS, EXCEPT ENGINES	*	*	*	*	*	0	2
85999 ALL OTHER MECHANICS, INSTALLERS, & REPAIRERS	5	0.22	5	0	0.00	0	0
87202 ELECTRICIANS	*	*	*	*	*	0	0
87311 CONCRETE & TERRAZZO FINISHERS	*	*	*	*	*	0	1
87899 ALL OTHER CONSTRUCTION TRADES WORKERS	2	0.09	2	0	0.00	0	0
87900 EXTRACTIVE & RELATED WORKERS -INC. BLASTERS	*	*	*	*	*	5	7
87999 ALL OTHER CONST./EXTRACT. WKRS. EXC. HELPERS	6	0.27	8	2	33.33	0	2
89102 TOOL & DIE MAKERS	13	0.58	16	3	23.08	5	8
89108 MACHINISTS	82	3.64	118	36	43.90	15	51
89111 TOOL GRINDERS, FILERS, SHARPENERS (PRECISION)	*	*	*	*	*	0	2
89123 JEWELERS & SILVERSMITHS	*	*	*	*	*	0	2
89132 SHEET METAL WORKERS	*	*	*	*	*	0	4
89308 WOOD MACHINISTS	*	*	*	*	*	0	1
89311 CABINETMAKERS & BENCH CARPENTERS	34	1.51	42	8	23.53	5	13
89702 PRECISION COMPOSITORS, TYPESETTERS, & ARRANGERS	*	*	*	*	*	0	1
89706 PASTE-UP WORKERS	9	0.40	10	1	11.11	0	1
89799 ALL OTHER PRECISION PRINTING WORKERS	5	0.22	5	0	0.00	0	0
89902 PRECISION FOUNDRY MOLD & CORE MAKERS	12	0.53	15	3	25.00	0	3
89905 PRECISION MOLDERS/CASTERS, EXC. JEWELRY & FOUNDRY	*	*	*	*	*	0	1
89999 ALL OTHER PRECISION WORKERS	9	0.40	11	2	22.22	0	2
91114 GRINDING & BUFF. MACH. SET-UP OPRS. -METAL & PLAST.	*	*	*	*	*	0	1
91117 MACHINE TOOL CUTTING OPERS./TENDERS -METAL & PLAST.	*	*	*	*	*	10	24
91311 EXTRUDING/DRAWING MACH. SET-UP OPRS.-METAL & PLAST.	27	1.20	34	7	25.93	5	12

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ESTIMATED EMPLOYMENT AND JOB OPENINGS IN MANUFACTURING
-YAVAPAI COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
91321 MACHINE FORMING OPERS. & TENDERS -METAL & PLASTIC	104	4.61	126	22	21.15	10	32
91502 NUMER. CONTROL MACHINE TOOL OPERS. -METAL & PLAST.	*	*	*	*	*	0	2
91902 PLASTIC MOLDING & CASTING MACHINE SET-UP OPERS.	*	*	*	*	*	0	5
91905 PLASTIC MOLDING & CASTING MACHINE OPERS. & TENDERS	*	*	*	*	*	5	20
91908 METAL MOLDING, COREMAKING, & CASTING MACH. SET-UP	*	*	*	*	*	0	2
91911 METAL MOLDING, COREMAKING, & CASTING MACHINE OPERS.	*	*	*	*	*	0	2
91914 FOUNDRY MOLD ASSEMBLY & SHAKEOUT WORKERS	*	*	*	*	*	0	1
92100 ALL OTHER METAL & PLASTIC MACHINE SETTERS/OPERATORS	4	0.18	4	0	0.00	0	0
92305 HEAD SAWYERS	*	*	*	*	*	0	1
92314 WOODWORKING MACHINE OPERS. & TENDERS, EXC. SAWING	*	*	*	*	*	0	1
92524 SCREEN PRINTING MACHINE SETTERS & SET-UP OPERS.	*	*	*	*	*	0	4
92543 PRINTING PRESS MACHINE OPERATORS & TENDERS	11	0.49	13	2	18.18	0	2
92549 ALL OTHER PRINTING, BINDING, & REL. MACH. OPERS.	4	0.18	4	0	0.00	0	0
92721 SEWING MACHINE OPERATORS, NON-GARMENT	*	*	*	*	*	0	2
92900 ALL OTHER MACH. SETTERS & OPERS. EXC. METAL/PLASTIC	16	0.71	19	3	18.75	0	3
92923 FURNACE, KILN, OVEN, DRIER, OR KETTLE OPERATORS	*	*	*	*	*	0	1
92953 COATING, PAINTING, & SPRAYING MACHINE OPERATORS	8	0.35	9	1	12.50	0	1
92965 CRUSHING, GRINDING, & MIXING MACHINE OPERATORS	10	0.44	12	2	20.00	0	2
92998 ALL OTHER MACHINE OPERATORS & TENDERS	24	1.06	31	7	29.17	0	7
93111 ELECTROMECHANICAL EQUIPMENT ASSEMBLERS -PRECISION	*	*	*	*	*	0	4
93114 ELECTRICAL/ELECTRONIC EQUIP. ASSEMBLERS -PRECISION	*	*	*	*	*	10	26
93905 ELECTRICAL & ELECTRONIC ASSEMBLERS	*	*	*	*	*	0	-1
93911 GLAZIERS, MANUFACTURING	25	1.11	32	7	28.00	5	12
93914 WELDERS & CUTTERS	*	*	*	*	*	0	1
93926 CUTTERS & TRIMMERS, HAND	8	0.35	9	1	12.50	0	1
93944 MOLDERS & CASTERS, HAND	*	*	*	*	*	0	5
93947 PAINTING, COATING, & DECORATING WORKERS, HAND	*	*	*	*	*	0	3
93953 GRINDING & POLISHING WORKERS, HAND	36	1.60	43	7	19.44	5	12
93956 ASSEMBLERS/FABRICATORS -EX. MACH., ELECT., PRECI.	399	17.70	503	104	26.07	35	139
93999 ALL OTHER HAND WORKERS	1	0.04	2	1	100.00	0	1

*SUPPRESSED DATA THAT IS CONFIDENTIAL

ESTIMATED EMPLOYMENT AND JOB OPENINGS IN MANUFACTURING
-YAVAPAI COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
95099 ALL OTHER PLANT & SYSTEM OPERATORS	2	0.09	2	0	0.00	0	0
97102 TRUCK DRIVERS, HEAVY OR TRACTOR TRAILER	91	4.04	109	18	19.78	10	28
97105 TRUCK DRIVERS, LIGHT-INCL. DELIVERY & ROUTE WKRS.	13	0.58	15	2	15.38	0	2
97199 ALL OTHER MOTOR VEHICLE OPERATORS	3	0.13	5	2	66.67	0	2
97947 INDUSTRIAL TRUCK & TRACTOR OPERATORS	6	0.27	7	1	16.67	0	1
97999 ALL OTHER MATERIAL MOVING EQUIPMENT OPERATORS	5	0.22	5	0	0.00	0	0
98799 ALL OTHER FREIGHT, STOCK, & MATERIAL MOVERS, HAND	9	0.40	11	2	22.22	0	2
98902 HAND PACKERS & PACKAGERS	54	2.40	59	5	9.26	5	10
98999 ALL OTHER HELPERS, LABORERS, & MATL. MOVERS, HAND	19	0.84	22	3	15.79	0	3
TOTAL OF ALL OCCUPATIONS	**2,254**	**100.00**	**2,765**	**511**	**22.67**	**220**	**731**

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ESTIMATED EMPLOYMENT AND JOB OPENINGS IN MANUFACTURING
-YUMA COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
10000 MANAGERIAL & ADMINISTRATIVE OCCUPATIONS	**91**	**4.39**	**115**	**24**	**26.37**	**15**	**39**
15014 INDUSTRIAL PRODUCTION MANAGERS	22	1.06	27	5	22.73	5	10
19005 GENERAL MANAGERS & TOP EXECUTIVES	51	2.46	61	10	19.61	10	20
19999 ALL OTHER MANAGERS & ADMINISTRATORS	18	0.87	27	9	50.00	0	9
20000 PROFESSIONAL, PARAPROFESSIONAL, & TECH. OCCUPATIONS	**200**	**9.64**	**329**	**129**	**64.50**	**20**	**149**
21199 ALL OTHER FINANCIAL SPECIALISTS	9	0.43	16	7	77.78	0	7
21308 PURCHASING AGENTS, EXC. WHOLESALE, RETAIL, & FARM	11	0.53	17	6	54.55	0	6
21999 ALL OTHER MANAGEMENT SUPPORT WORKERS	11	0.53	21	10	90.91	0	10
22128 INDUSTRIAL ENGINEERS, EXC. SAFETY	13	0.63	28	15	115.38	5	20
22199 ALL OTHER ENGINEERS	22	1.06	38	16	72.73	0	16
22599 ALL OTHER ENGINEERING & RELATED TECHS.	84	4.05	138	54	64.29	10	64
25102 SYSTEMS ANALYSTS, ELECTRONIC DATA PROCESSING	5	0.24	11	6	120.00	0	6
25199 ALL OTHER COMPUTER SCIENTISTS	1	0.05	2	1	100.00	0	1
34002 WRITERS & EDITORS	*	*	*	*	*	5	8
34011 REPORTERS & CORRESPONDENTS	*	*	*	*	*	0	3
34035 ARTISTS & RELATED WORKERS	*	*	*	*	*	0	3
39999 ALL OTHER PROFESSIONAL, PARAPROFESSIONAL, & TECHN.	11	0.53	16	5	45.45	0	5
40000 SALES & RELATED OCCUPATIONS	**36**	**1.73**	**42**	**6**	**16.67**	**5**	**11**
43023 SALES AGENTS, ADVERTISING	*	*	*	*	*	5	8
49011 SALESPERSONS, RETAIL	*	*	*	*	*	0	1
49023 CASHIERS	*	*	*	*	*	0	1
49999 ALL OTHER SALES & RELATED WORKERS	11	0.53	12	1	9.09	0	1
50000 CLERICAL & ADMINISTRATIVE SUPPORT OCCUPATIONS	**139**	**6.70**	**175**	**36**	**25.90**	**15**	**51**
51002 FIRST LINE SUPERVISORS-CLERICAL & ADMIN. SUPPORT	10	0.48	11	1	10.00	0	1
55100 SECRETARIES	14	0.67	21	7	50.00	5	12
55338 BOOKKEEPING, ACCOUNTING, & AUDITING CLERKS	17	0.82	20	3	17.65	5	8
55341 PAYROLL & TIMEKEEPING CLERKS	6	0.29	7	1	16.67	0	1

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ESTIMATED EMPLOYMENT AND JOB OPENINGS IN MANUFACTURING
-YUMA COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
55347 GENERAL OFFICE CLERKS	36	1.73	42	6	16.67	5	11
56017 DATA ENTRY KEYERS, EXC. COMPOSING	7	0.34	12	5	71.43	0	5
56099 ALL OTHER OFFICE MACHINE OPERATORS	2	0.10	3	1	50.00	0	1
57199 ALL OTHER COMMUNICATIONS EQUIPMENT OPERATORS	3	0.14	3	0	0.00	0	0
58008 PRODUCTION, PLANNING, & EXPEDITING CLERKS	5	0.24	8	3	60.00	0	3
58028 TRAFFIC, SHIPPING, & RECEIVING CLERKS	7	0.34	9	2	28.57	0	2
58099 ALL OTHER MATERIAL RECORDING/SCHEDULING/DISTRIB.	5	0.24	7	2	40.00	0	2
59999 ALL OTHER CLERICAL & ADMINISTRATIVE SUPPORT WKRS.	27	1.30	32	5	18.52	0	5
60000 SERVICE OCCUPATIONS	**26**	**1.25**	**31**	**5**	**19.23**	**10**	**15**
61099 ALL OTHER SERVICE SUPERVISORS & MGR./SUPERVISORS	*	*	*	*	*	0	0
63047 GUARDS & WATCH GUARDS	*	*	*	*	*	5	7
67005 JANITORS & CLEANERS, EXC. MAIDS & HOUSEKEEPING	15	0.72	17	2	13.33	5	7
69999 ALL OTHER SERVICE WORKERS	1	0.05	2	1	100.00	0	1
70000 AGRICULTURE, FORESTRY, & FISHERY OCCUPATIONS	**57**	**2.75**	**67**	**10**	**17.54**	**5**	**15**
80000 PRODUCTION, MAINTENANCE, & MATERIAL HANDLING	**1,526**	**73.54**	**1,887**	**361**	**23.66**	**245**	**606**
81008 FIRST LINE MGRS./SUPERS.- PRODUCTION & OPERATIVES	51	2.46	65	14	27.45	10	24
81099 ALL OTHER FIRST LINE MGRS./SUPRS.-MAIN./PROD./CONST	5	0.24	7	2	40.00	0	2
83005 PRODUCTION INSPECTORS, TESTERS, GRADERS, & SORTERS	44	2.12	55	11	25.00	5	16
83099 ALL OTHER INSPECTORS, TESTERS, & REL. OCCUPATIONS	2	0.10	4	2	100.00	0	2
85112 MACHINERY MAINTENANCE MECHANICS, TEXTILE MACHINES	23	1.11	33	10	43.48	5	15
85119 ALL OTHER MACHINERY MAINTENANCE MECHANICS	3	0.14	4	1	33.33	0	1
85132 MAINTENANCE REPAIRERS, GENERAL UTILITY	42	2.02	53	11	26.19	5	16
85302 AUTOMOTIVE MECHANICS	*	*	*	*	*	0	2
85311 BUS & TRUCK MECHANICS, & DIESEL ENGINE SPECIALISTS	7	0.34	9	2	28.57	0	2
85323 AIRCRAFT MECHANICS	5	0.24	10	5	100.00	0	5
85999 ALL OTHER MECHANICS, INSTALLERS, & REPAIRERS	4	0.19	5	1	25.00	0	1

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ESTIMATED EMPLOYMENT AND JOB OPENINGS IN MANUFACTURING
-YUMA COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
87302 BRICK MASONS	*	*	*	*	*	0	1
87311 CONCRETE & TERRAZZO FINISHERS	*	*	*	*	*	0	0
87502 PLUMBERS, PIPEFITTERS, & STEAMFITTERS	*	*	*	*	*	0	3
89102 TOOL & DIE MAKERS	*	*	*	*	*	5	8
89108 MACHINISTS	*	*	*	*	*	0	2
89132 SHEET METAL WORKERS	*	*	*	*	*	0	1
89199 ALL OTHER PRECISION METAL WORKERS	1	0.05	2	1	100.00	0	1
89311 CABINETMAKERS & BENCH CARPENTERS	*	*	*	*	*	0	1
89399 ALL OTHER PRECISION WOODWORKERS	1	0.05	1	0	0.00	0	0
89706 PASTE-UP WORKERS	*	*	*	*	*	5	8
89799 ALL OTHER PRECISION PRINTING WORKERS	4	0.19	4	0	0.00	0	0
89802 SLAUGHTERERS & BUTCHERS	*	*	*	*	*	0	3
89999 ALL OTHER PRECISION WORKERS	14	0.67	18	4	28.57	0	4
91711 SOLDERING & BRAZING MACHINE OPERATORS & TENDERS	*	*	*	*	*	0	2
92100 ALL OTHER METAL & PLASTIC MACHINE SETTERS/OPERATORS	3	0.14	3	0	0.00	0	0
92512 OFFSET LITHOGRAPHIC PRESS SETTERS & SET-UP OPERS.	10	0.48	13	3	30.00	0	3
92543 PRINTING PRESS MACHINE OPERATORS & TENDERS	6	0.29	7	1	16.67	0	1
92549 ALL OTHER PRINTING, BINDING, & REL. MACH. OPERS.	7	0.34	7	0	0.00	0	0
92705 TEXTILE MACHINE OPERS. -WINDING/WEAVING/CUTTING	296	14.27	396	100	33.78	140	240
92717 SEWING MACHINE OPERATORS, GARMENT	199	9.59	242	43	21.61	30	73
92721 SEWING MACHINE OPERATORS, NON-GARMENT	*	*	*	*	*	0	3
92900 ALL OTHER MACH. SETTERS & OPERS. EXC. METAL/PLASTIC	12	0.58	15	3	25.00	0	3
92917 COOKING MACHINE OPERS. & TENDERS, FOOD & TOBACCO	*	*	*	*	*	0	1
92941 CUTTING & SLICING MACH. SETTERS & SET-UP OPERATORS	*	*	*	*	*	0	4
92944 CUTTING & SLICING MACHINE OPERATORS & TENDERS	*	*	*	*	*	0	5
92956 CEMENTING & GLUING MACHINE OPERATORS & TENDERS	*	*	*	*	*	0	4
92958 CLEANING, WASHING, & PICKLING EQUIPMENT OPERATORS	*	*	*	*	*	0	4
92974 PACKAGING & FILLING MACHINE OPERATORS & TENDERS	*	*	*	*	*	0	2
92997 ALL OTHER MACHINE SETTERS & SET-UP OPERATORS	14	0.67	17	3	21.43	0	3
93197 ALL OTHER PRECISION ASSEMBLERS, METAL	7	0.34	13	6	85.71	0	6

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ESTIMATED EMPLOYMENT AND JOB OPENINGS IN MANUFACTURING
-YUMA COUNTY-

	EMPLOYMENT			OPPORTUNITIES (1989-1994)			
	MAY 1989	PERCENT OF TOTAL	MAY 1994	GROWTH	PERCENT CHANGE	SEPAR-ATIONS	TOTAL OPENINGS
93905 ELECTRICAL & ELECTRONIC ASSEMBLERS	*	*	*	*	*	0	-2
93908 COIL WINDERS, TAPERS, & FINISHERS	*	*	*	*	*	0	2
93914 WELDERS & CUTTERS	*	*	*	*	*	0	0
93923 SEWERS, HAND	*	*	*	*	*	0	2
93926 CUTTERS & TRIMMERS, HAND	*	*	*	*	*	0	8
93935 CANNERY WORKERS	*	*	*	*	*	5	10
93956 ASSEMBLERS/FABRICATORS -EX. MACH., ELECT., PRECI.	73	3.52	90	17	23.29	5	22
93999 ALL OTHER HAND WORKERS	28	1.35	32	4	14.29	0	4
97102 TRUCK DRIVERS, HEAVY OR TRACTOR TRAILER	67	3.23	75	8	11.94	5	13
97117 DRIVER/SALES WORKERS	*	*	*	*	*	5	9
97199 ALL OTHER MOTOR VEHICLE OPERATORS	3	0.14	3	0	0.00	0	0
97899 ALL OTHER TRANSPORTATION & RELATED WORKERS	1	0.05	2	1	100.00	0	1
97947 INDUSTRIAL TRUCK & TRACTOR OPERATORS	*	*	*	*	*	0	2
97956 OPERATING ENGINEERS	*	*	*	*	*	5	9
97999 ALL OTHER MATERIAL MOVING EQUIPMENT OPERATORS	3	0.14	3	0	0.00	0	0
98102 MECHANIC & REPAIRER HELPERS	*	*	*	*	*	0	0
98502 MACHINE FEEDERS & OFFBEARERS	*	*	*	*	*	5	15
98799 ALL OTHER FREIGHT, STOCK, & MATERIAL MOVERS, HAND	65	3.13	79	14	21.54	5	19
98902 HAND PACKERS & PACKAGERS	24	1.16	29	5	20.83	0	5
98999 ALL OTHER HELPERS, LABORERS, & MATL. MOVERS, HAND	65	3.13	75	10	15.38	5	15
TOTAL OF ALL OCCUPATIONS	**2,075**	**100.00**	**2,646**	**571**	**27.52**	**315**	**886**

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METHODOLOGY

Sample Selection and Response Rate

Occupational estimates for the manufacturing industry were developed from a survey of employers in Arizona. Employers asked to participate in the survey were selected, using standardized sampling techniques, from a master employer file of firms doing business in Arizona. A sample of establishments employing 4-74 employees and all those having 75 or more employees were surveyed.

Using a questionnaire designed by the Bureau of Labor Statistics, employment data are requested for the pay period which includes the 12th day of the specified month. Although considered a mail survey, respondents are encouraged to telephone a toll-free number to provide requested information and firms employing more than 50 generally receive a personal visit. Extensive follow-up of nonrespondents is undertaken to achieve high response rates that have averaged nearly 90 percent in recent years.

In the 1989 survey of manufacturing, 2,027 firms in a sample of 2,228 provided the requested information. Firms responding represented 98 percent of the industry's employment.

Employment and Demand Projections

Projecting occupational employment and demand was accomplished in two basic stages. First, total manufacturing employment was estimated for the target years. These forecasts were computed using an econometric model driven by forecast values for variables such as national unemployment, interest rates, and industrial production. Staffing pattern ratios, as determined by the OES survey, were then applied to the industry employment projections--representing the second stage of the forecasting methodology.

Employment data reflect full- and part-time workers, workers on paid leave, and workers on unpaid short-term absences, i.e., sick leave, temporary layoff, and jury duty. Also included are salaried officers, executives, and staff of incorporated firms. Workers performing tasks related to two or more occupations are classified according to the highest level of skill performed.

"Total Job Openings" represents the sum of openings resulting from expansion and replacement during the projection period. Expansion, or growth, is the numerical difference in employment for a given period. Replacement represents job openings that transpire due to separations from the labor force, i.e., death, retirement, and pregnancy, and is based on occupational separation rates from the 1980 Census. The "Total Job Openings" column does not include labor turnover, i.e., openings created when a worker changes jobs, leaving the job to be filled by someone else. These vacancies are often the largest source of job openings.

Limitations and Technical Notes

The projection method does not account for cyclical, seasonal, and such external factors as sudden discontinuations or initiations of major government programs.

Employment forecasts for the nonmetropolitan counties are based on growth rates developed for the "balance of state" (Arizona less Maricopa and Pima counties) rather than for individual counties.

All sample surveys are subject to both sampling and nonsampling errors. A sampling error is the difference between the estimated data derived from a sample and the data which would result from a survey of the universe. Unless the universe is surveyed, sampling error will always result. Nonsampling errors are those which can result from faulty questionnaire design, improperly collected data, and other nonmeasurable factors. Every effort is made to minimize such errors.

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